Shri Swami Vivekanand Shikshan Sanstha

VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Mathematics

"IIT Bombay Spoken Tutorial MOOC Courses"

Vivekanand College, Kolhapur has been at the forefront of providing quality education and fostering a culture of continuous learning. In collaboration with IIT Bombay Spoken Tutorial, the college has been offering a diverse range of Massive Open Online Courses (MOOCs) to empower students with cutting-edge skills. These courses include Scilab, PHP, and MySQL etc.

Course Structure: The IIT Bombay Spoken Tutorial courses are designed to meet the evolving needs of the industry and equip students with practical skills. The courses cover a spectrum of topics, including proficiency in programming languages like Scilab, PHP, and MySQL.

Online Sessions: Conducted by experts from IIT Bombay, the online sessions offer an interactive and engaging learning experience. Students have the opportunity to interact with seasoned professionals, clarifying doubts and gaining insights into real-world applications of the concepts they are learning. The virtual format ensures flexibility, allowing students to access the sessions at their convenience, fostering a conducive learning environment.

Examinations at Vivekanand College, Kolhapur: One of the unique aspects of this collaboration is the provision for examinations conducted online at Vivekanand College, Kolhapur. This not only adds a layer of convenience for students but also ensures a seamless transition from online learning to the evaluation process. The examinations are designed to assess the practical application of the skills acquired during the course. Benefits for Students: •

Skill Enhancement: The courses cater to the demands of contemporary industries, enhancing the employability of students by providing them with relevant skills. • Flexibility: The online format allows students to balance their academic commitments while acquiring valuable skills. • Certification: Successful completion of the courses results in certification from IIT Bombay, a testament to the students' proficiency in the respective domains. •

Community Impact: By establishing an IIT Bombay Spoken Tutorial Courses center, Vivekanand College has not only elevated the learning experience for its students but has also contributed to the larger goal of creating a skilled workforce. This initiative aligns with the national agenda of fostering digital literacy and technological proficiency. The collaboration between Vivekanand College, Kolhapur and IIT Bombay Spoken Tutorial has proven to be a commendable effort in providing quality education to students. The combination of online learning and localized examinations ensures a holistic educational experience. As students continue to benefit from these courses, the college remains committed to its mission of nurturing well-rounded and skilled individuals ready to excel in the professional landscape.

The Spoken Tutorial project

*Self explanatory - uses simple language

*Audio-video - uses multisensory approach

*Small duration - has better retention

*Learner-centered - learn at your own pace

*Learning by doing - learn and practice
simultaneously

*Empowerment - learn a new FOSS

Target Group

*Students - High School and College

*Working professional - Software users,
developers and trainers

*Research scholars

*Community at large

Workshops
The Spoken Tutorial Project Team conducts
workshops on PHP & MySQL and other FOSS
using spoken tutorials and gives certificates to
those who pass an online test.

For more details,please write to
contact@spoken-tutorial.org

The Spoken Tutorial Project is funded by
the National Mission on Education
through Information and Communication
Technology, Ministry of Human Resource
Development, Government of India.

Contact us

Email: contact@spoken-tutorial.org
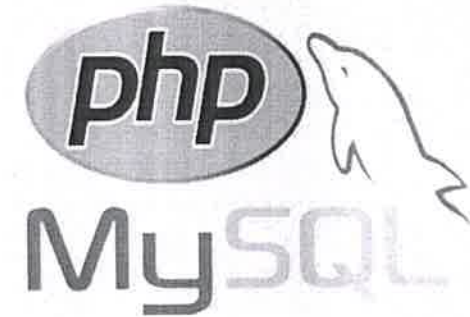**Website: http://spoken-tutorial.org**

IIT Bombay

This work is licensed under a Creative Commons
Attribution-ShareAlike 4.0 International License

All trademarks within this document belong to their legitimate owners

Spoken Tutorial

Introduction

PHP or "PHP : Hypertext Preprocessor" is a widely-used Open Source general-purpose scripting language that is especially suited for Web development and can be embedded into HTML. Its syntax draws upon C, Java and PERL, and is easy to learn.

The main goal of the language is to allow web developers to write dynamically generated web pages quickly, but you can do much more with PHP.

Uses of PHP •

• To create large websites
• For E-commerce like osCommerce, OpenCart
• To create online discussion forums like phpBB
• To create content management systems like Drupal, Joomla
• To create e-learning management systems like Moodle
• To develop web-based management tools like phpMyAdmin
And many more..

Introduction

MySQL is a relational database management system (RDBMS) that runs as a server providing multi-user access to a number of databases. The SQL phrase stands for Structured Query Language. Applications which use MySQL data bases include: Joomla, Word Press, MyBB, phpBB, Drupal and other software built on the LAMP software stack.

A third party open source software "phpMyAdmin" is used as a web-based front end for managing MySQL databases easily and effeciently. It is widely installed by Web hosts worldwide. Also it is included in the convenient LAMP, MAMP and WAMP software bundle installers
MySQL is used in many high-profile, largescale World Wide Web products, including Wiki-pedia, Google and facebook.

Features of PHP & MySQL
• Scalability and flexibility
• High speed and high performance
• Data protection
• Comprehensive Application Development
• Management tools
And many more...

Benefits

• A large chunk of facebook, the world's leading social networking site, has a huge code based in PHP and it uses MySQL as database to stor information of 1 billion+users!

• PHP is the most preferred language for wel development by free-lance developers across th globe.

• Many free and open source CMS like Drupal Moodie, etc. are created using PHP & MySQL.

• PHP & MySQL has a large user and develop community.

Links:

Original videos are available at
http://phpacademy.org

PHP Official Website -http://www.php.net

MYSQL Official Website -
http://www.mysgl.com

W3Schools - PHP and MySQL Tutorials -
http://www.w3schools.com/php/default.asp
http://www.w3schools.com/sql/default.asp =

These tutorials will help you get started with PHP programming. In this series we will go through the basics of installing and getting PHP ready for development, the basic syntax and features of the language.

1.XAMPP in Windows

Foss : *PHP and MySQL - English*

Outline: XAMPP in Windows Installing XAMPP in Windows XAMPP is a cumulative package consisting of Apache, PHP and MySQL Packages is available for Windows In this tutorial the XAMPP wil..

2.XAMPP in Linux

Foss : *PHP and MySQL - English*

Outline: XAMPP in Linux Installing XAMPP in Linux XAMPP is a cumulative package consisting of Apache, PHP and MySQL Packages is available for Linux In this tutorial the XAMPP will be i..

3.Echo Function

Foss : *PHP and MySQL - English*

Outline: Echo Function The echo() function outputs one or more strings. Syntax: echo(strings); Ex. echo "Hello World!";

4.Variables in PHP

Foss : *PHP and MySQL - English*

Outline: Variables in PHP Variables are used for storing values, like text strings, numbers or arrays. When a variable is declared, it can be used over and over again in your script. A..

5.If Statement

Foss : *PHP and MySQL - English*

Outline: If Statement if statement - use this statement to execute some code only if a specified condition is true. if ...else statement - use this statement to execute some code if a co..

6.Switch Statement

Foss : *PHP and MySQL - English*

Outline: Switch Statement switch statement - use this statement to select one of many blocks of code to be executed

7.Arithmatic Operators

Foss : *PHP and MySQL - English*

Outline: Arithmatic Operators Ex. +,-,*,/,%,++,--

8.Comparison Operators

Foss : *PHP and MySQL - English*

Outline: Comparison Operators Ex. ==,!=,<>,>,<,>=,<=

9.Logical Operators

Foss : *PHP and MySQL - English*

Outline: Logical Operators Ex. && (AND),|| (OR),! (NOT)

Foss : *PHP and MySQL - English*

Outline: Arrays An array stores multiple values in one single variable. Numeric array - An array with a numeric index. Associative array - An array where each ID key is associated with..

11.Multi Dimensional Arrays

Foss : *PHP and MySQL - English*

Outline: Multi-Dimensional Arrays In a multidimensional array, each element in the main array can also be an array. And each element in the sub-array can be an array, and so on.

12.Loops While Statement

Foss : *PHP and MySQL - English*

Outline: Loops - While Statement The while loop executes a block of code while a condition is true. while (condition) { code to be executed; }

13.Loops Do While Statement

Foss : *PHP and MySQL - English*

Outline: Loops - Do-While Statement The do...while statement will always execute the block of code once. it will then check the condition, and repeat the loop while the condition is true..

14.Loops For Statement

Foss : *PHP and MySQL - English*

Outline: Loops - For Statement The for loop is used when you know in advance how many times the script should run. Syntax: for (init; condition; increment) { code to be ..

15.Loops Foreach Statement

Foss : *PHP and MySQL - English*

Outline: Loops - Foreach Statement The foreach loop is used to loop through arrays. foreach ($array as $value) { code to be executed; }

16.Functions Basic

Foss : *PHP and MySQL - English*

Outline: Functions (Basic) To keep the script from being executed when the page loads, you can put it into a function. A function will be executed by a call to the function. You may ca..

17.Functions Advanced

Foss : *PHP and MySQL - English*

Outline: Functions (Advanced) We can also pass parameters to functions during both the declaration and calling time. function functionName($param1,$param2); //during function call. fun..

18.GET Variable

Foss : *PHP and MySQL - English*

Outline: GET Variable The built-in $_GET function is used to collect values from a form sent with method="get". Information sent from a form with the GET method is visible to everyone (..

19.POST Variable

Foss : *PHP and MySQL - English*

Outline: POST Variable The built-in $_POST function is used to collect values from a form sent with method="post". Information sent from a form with the POST method is invisible to othe..

20.Embedding PHP

Outline: MySQL (Part 5) mysql_fetch_assoc — Fetch a result row as an associative array. array mysql_fetch_assoc (resource $result) //Returns an associative array that corresponds to t..

10.MySQL Part 6

Foss : *PHP and MySQL - English*

Outline: MySQL (Part 6) Getting data from the database with the help of an HTML form. Creating a FORM where a user can specify a name and selecting the appropriate value from the databa..

11.MySQL Part 7

Foss : *PHP and MySQL - English*

Outline: MySQL (Part 7) Changing the existing values of the databse table using HTML Forms. Update unique records using the id than individual values.

12.MySQL Part 8

Foss : *PHP and MySQL - English*

Outline: MySQL (Part 8) DELETE QUERY - To Delete the specific or all the entries of the Database. DELETE FROM table_name WHERE field='xyz' // Deletes the entry from the database where t..

13.Simple Visitor Counter

Foss : *PHP and MySQL - English*

Outline: Simple Visitor Counter Counts how many users have viewed your page as per count of refresh button clicked fopen("file_name","parameter") opens a file (Creates it if not exists)..

14.PHP String Functions Part 1

Foss : *PHP and MySQL - English*

Outline: PHP String Functions (Part 1) strlen(string) - This function counts total no of characters, including numbers and white spaces in the string mb_substr(string,starting_positio..

15.PHP String Functions Part 2

Foss : *PHP and MySQL - English*

Outline: PHP String Functions (Part 2) strrev(string) -This function is used to reverse the inputed string strtolower(string) -This function is used to convert all alphabatic characters..

16.File Upload Part 1

Foss : *PHP and MySQL - English*

Outline: File Upload (Part 1) Setup html form for file uploading Upload file and get file related information like file name, file size, etc Check for error messages after uploading file

17.File Upload Part 2

Foss : *PHP and MySQL - English*

Outline: File Upload (Part 2) Move file from temporary area to user specified location Restrict uploading to only specific file type Restrict uploading to a maximum file size

18.Cookies Part 1

Foss : *PHP and MySQL - English*

Outline: Cookies (Part 1) What are cookies Set cookies using setcookie function Understaing how to set expiry time of cookies Read and print values from existing cookies Print every ..

Foss : *PHP and MySQL - English*

Outline: Embedding PHP We can embed our PHP code anywhere in the webpage, by enclosing our script within the <?php...... //SCRIPT.......?>

1.Common Way to Display HTML

Foss : *PHP and MySQL - English*

Outline: Common Way to Display HTML We can also use the HTML Code within the PHP Script. Almost each of the HTML Tags can be used within a PHP Script.

2.Common Errors Part 1

Foss : *PHP and MySQL - English*

Outline: Common Errors (Part 1) Learn how to spot errors and how to fix them Common Parse errors Parse errors due to missing comma or semicolon Parse errors due to not ending single o..

3.Common Errors Part 2

Foss : *PHP and MySQL - English*

Outline: Common Errors (Part 2) Parse error due to missing or extra brackets Matching brackets during complex mathematical operations Purpose and usefulness of correct indentation Err..

4.Common Errors Part 3

Foss : *PHP and MySQL - English*

Outline: Common Errors (Part 3) "Cannot modify header information - headers already sent by..." errors when using header() function Using ob_start() to turn on output buffering "Failed..

5.MySQL Part 1

Foss : *PHP and MySQL - English*

Outline: MySQL (Part 1) An Introduction to the PHPMyAdmin Interface. Creating a New Database Creating a new Table and entering the value of the field with the requisite datatype. SQL ...

6.MySQL Part 2

Foss : *PHP and MySQL - English*

Outline: MySQL (Part 2) Connecting to the database and inserting dummy data into the database mysql_connect("server_addr", "username", "password") - Connect to the Database Server with

7.MySQL Part 3

Foss : *PHP and MySQL - English*

Outline: MySQL (Part 3) Writing some data into the database (INSERT and UPDATE Queries). mysql_query('TYPE_HERE_YOUR_MYSQL_QUERY') - This function is used to run specific queries on our..

8.MySQL Part 4

Foss : *PHP and MySQL - English*

Outline: MySQL (Part 4) Getting data from the database table and displaying it. SELECT QUERY - SELECT * FROM table_name WHERE att1='abc' // Query returns the value from the database whe..

9.MySQL Part 5

Foss : *PHP and MySQL - English*

Outline: User Login Part 1 Collecting information from user in a form & connecting to authorized database. mysql_connect("hostname", "username", "password") - Connect to the Database Se..

7.User Login Part 2

Foss : *PHP and MySQL - English*

Outline: User Login Part 2 retrieves information about inputed username and checks whether given password matches with the password in database.
mysql_query('TYPE_HERE_YOUR_MYSQL_QUERY'..

8.User Login Part 3

Foss : *PHP and MySQL - English*

Outline: User Login Part 3 Creating session for holding value and destroying that value by destroying session. start_session() - Starts session to hold information from one pages to oth..

9.User Password Change Part 1

Foss : *PHP and MySQL - English*

Outline: User Password Change Part 1 We learn to obtain old existing password and new password from the user. start_session() - Hold information from previous pages to session page. $v..

10.User Password Change Part 2

Foss : *PHP and MySQL - English*

Outline: User Password Change Part 2 Checking whether encrypted old password matches with the database password and new password is same as confirm password. md5("parameter")- encrypts ..

11.User Password Change Part 3

Foss : *PHP and MySQL - English*

Outline: User Password Change Part 3 updating the new password in database. mysql_query('TYPE_HERE_YOUR_MYSQL_QUERY') - It is used to run specific queries on our database. Here it updat..

12.User Registration Part 1

Foss : *PHP and MySQL - English*

Outline: User Registration Part 1 Creating a form which allows user to input values in page

13.User Registration Part 2

Foss : *PHP and MySQL - English*

Outline: User Registration Part 2 Striping tags of inputed strings and converting password into md5 encryption. Use of : strip_tags(strigs) - cuts down unnecessary spaces,html tags and
..

19.Cookies Part 2

Foss : *PHP and MySQL - English*

Outline: Cookies (Part 2) Check if a cookie exists or not using isset Unset a cookie when no longer required Change the value of a existing cookie

20.Sessions

Foss : *PHP and MySQL - English*

Outline: Sessions A PHP session variable is used to store information about, or change settings for a user session. Session variables hold information about one single user, and are ava..

1.MD5 Encryption

Foss : *PHP and MySQL - English*

Outline: MD5 Encryption Calculates the MD5 hash of str using the RSA Data Security, Inc.'s MD5 Message-Digest Algorithm, and returns that hash (Its a one way encrypting technique). Synt..

2.Sending Email Part 1

Foss : *PHP and MySQL - English*

Outline: Sending Email (Part 1) Create HTML form for getting email subject and message from the user Using the mail() function to send email

3.Sending Email Part 2

Foss : *PHP and MySQL - English*

Outline: Sending Email (Part 2) Validating whether the name and message have been entered by the user Check the length of the string using the strlen() function. Set up the to, subject..

4.Sending Email Part 3

Foss : *PHP and MySQL - English*

Outline: Sending Email (Part 3) Fix the "Sendmail from not set in php dot ini" error Create the mail "From:" header Using a local or external mail server to send email Using the ini_s..

5.Display Images from a Directory

Foss : *PHP and MySQL - English*

Outline: Display Images from a Directory Using opendir() to open a directory handle Using readdir() to read a directory that is already opened Printing the directory listing

6.User Login Part 1

Foss : *PHP and MySQL - English*

14.User Registration Part 3

Foss : *PHP and MySQL - English*

Outline: User Registration Part 3 Checking whether the username and password provided meet the required length sizes. Use of : strlen("string") - counts th character length of the strin..

15.User Registration Part 4

Foss : *PHP and MySQL - English*

Outline: User Registration Part 4 Inserting inputed information from the user into the database table through query. mysql_connect("hostname", "username". "password") - Connect to the D..

16.User Registration Part 5

Foss : *PHP and MySQL - English*

Outline: User Registration Part 5 Converting the password inputed from user to md5 encrypt form. md5("parameter")- encrypts parameter into irreversible logical code.

17.User Registration Part 6

Foss : *PHP and MySQL - English*

Outline: User Registration Part 6 Checking the username provided so that condition for duplicate username can be avoided. mysql_query('TYPE_HERE_YOUR_MYSQL_QUERY') - This is used to run..

Courses and Participants List

Academic Year 2019-20

- **July - December, 2019**

#	Semester Start Date	Software Course	Department	Participant List Status	Action
1	July 27, 2019	Scilab	B.Sc. Mathematics	23	| Participant List | Participation certificates available |
2	July 29, 2019	PHP and MySQL	Bachelor of Science (Bsc)	47	| Participant List | Participation certificates available |

- ## PHP and MySQL

Participants list

Name	Email	Gender
MUSKAN SHAIKH	s.muskan2001@gmail.com	Female
KALYANI SALUNKHE	kalyanisalunkhe16@gmail.com	Female
SAKSHI MAHAJAN	mahajansakshi2000@gmail.com	Female
SNEHAL YAMGARNIKAR	snehalyamgarnikar5292@gmail.com	Female
RUTUJA YADAV	rutu210301@gmail.com	Female
PRATIK SHINDE	shindepratik22@gmail.com	Male
SHIVAM PATIL	sbpatil5606@gmail.com	Male
MANASI NIMBALKAR	mansiarunnimbalkar@gmail.com	Female
VINOD PATIL	vinodvpatil1106@gmail.com	Male
RAHUL KAMBLE	rahulkamble1791999@gmail.com	Male
SHIVAM PATIL	patlanchashivam44@gmail.com	Male
YASH KAMBLE	yashkamble5986@gmail.com	Male
SANKET BAGNIKAR	sankibagnikar@gmail.com	Male
RUTUJA HANDE	rutujahande75234@gmail.com	Female
NISHA KHARADE	nishakharade2809@gmail.com	Female

Name	Email	Gender
NIRANJANEE CHOUGALE	niranjanee2431@gmail.com	Female
RUTVIK SASNE	sasnerutvik221@gmail.com	Male
AISHWARYA NILLE	aishwaryanille15@gmail.com	Female
SHARVARI TODKAR	sharvaritodkar3989@gmail.com	Female
VAISHNAVI PATIL	vaishnudpatil2000@gmail.com	Female
PRAJAKTA KAMBLE	prajaktakamble4660@gmail.com	Female
RACHANA URANE	rachanaurane16@gmail.com	Female
SAIPRASAD YADAV	yadavnik92@gmail.com	Male
TEJASHRI KAMBLE	tejashrikamble1999@gmail.com	Female
SHUBHAM PATIL	shubhampatil2383@gmail.com	Male
BHAKTI SAWANT	bhakti4000@gmail.com	Female
ARCHIET KADAM	architkadam11@gmail.com	Male
POOJA PATIL	poojarpatil84@gmail.com	Female
AISHWARYA PAWAR	pawaraishwarya680@gmail.com	Female
AKSHATA PATHARE	13akshatapathare@gmail.com	Female
GAUTAM PATIL	gautampatil0303@gmail.com	Male
Shubham Chougale	spchougale4242@gmail.com	Male

AMRUTA PATIL	pamruta7530@gmail.com	Female
SPURTHI KAROSHI	spurthikaroshi285@gmail.com	Female
ADITI SHETE	aditishete0380@gmail.com	Female
SHUBHAM KOUNDADE	shubhamkoundade3341@gmail.com	Male
AJIT JANGATE	ajitjangate7799@gmail.com	Male
SHUBHAM BHOSALE	shubhamshivajiraobhosale@gmail.com	Male
PREM MANE	premmane005@gmail.com	Male
AKASH POWAR	akashpowar372@gmail.com	Male
PRANAV PATIL	patil96pranav@gmail.com	Male
ROHAN PATIL	rp7638302@gmail.com	Male
AISHWARYA PAWAR	sudhkarpowar053@gmail.com	Female
SNEHAL PATIL	snehalpatilsv@gmail.com	Female
SHUBHANGI KAMBLE	shubhangikamble145@gmail.com	Female
MISBA MOMIN	misbamomin74@gmail.com	Female
RAJENDRA VALVI	rajvalvi200@gmail.com	Male

HEAD
DEPARTMENT OF MATHEMATICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

VIVEKANAND COLLEGE KOLHAPUR
ESTD JUNE 1964
(Empowered Autonomous)

Certificate of Participation

This is to certify that **MUSKAN SHAIKH** participated in the **PHP and MySQL** training organized at **Vivekanand College** in **July 2019** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **PHP and MySQL** were covered in the training. This training is offered by the Spoken Tutorial Project, IIT Bombay.

September 27th 2019

Prof. Kannan M Moudgalya
IIT Bombay

Spoken Tutorial
Project at
IIT Bombay

Certificate of Participation

This is to certify that **SAKSHI MAHAJAN** participated in the **PHP and MySQL** training organized at **Vivekanand College** in **July 2019** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **PHP and MySQL** were covered in the training. This training is offered by the Spoken Tutorial Project, IIT Bombay.

September 27th 2019

Prof. Kannan M Moudgalya
IIT Bombay

Spoken Tutorial
Project at
IIT Bombay

Certificate of Participation

This is to certify that **PRIYANKA NAIK** participated in the **PHP and MySQL** training organized at **Vivekanand College** in **July 2019** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **PHP and MySQL** were covered in the training. This training is offered by the Spoken Tutorial Project, IIT Bombay.

September 25th 2019

Prof. Kannan M Moudgalya
IIT Bombay

Spoken Tutorial
Project at
IIT Bombay