

Introduction to PHP & MySQL

Course Description:

This course introduces fundamentals of MySQL as database management language for relational databases and PHP as server side scripting language. This course is mostly hands on with theories and at the end of the course, students should be able to use database while building their web applications. Students will also work on individual and group projects.

Class meets every Tuesday and Thursday

Time: 6pm to 9pm

The class will meet for 12 sessions.

	Topics
Week one	<ul style="list-style-type: none">• Class overview, objectives and introduction.• Setting up slack• Introduction to SQL, syntax, select, select distinct, where, and/or/not, order by, insert into, null values, update, delete.
Week Two	<ul style="list-style-type: none">• SQL : Select top, min and max, count, avg, sum, like, wildcards, in, between, aliases, joins inner join, left join, right join, full join, self join, union, Group by, having, exists, Any, all, select into, insert into select, case, null functions, stored procedures, comments.
Week Three	<ul style="list-style-type: none">• SQL:• Create DB, drop DB, create table, drop table, alter table, constraints, not null, unique, primary key, foreign key, check, default, index, auto increment, dates, views, injection, hosting.
Week Four	<ul style="list-style-type: none">• PHP:• Echo, strings and variables, escaping characters, concatenation, arithmetic operators, assignment operators, if/else statement, elseif statement, switch statements, comparison operators, logical operators,• Array, creating different kinds of array, multidimensional array, loops, while loops, Do.. while loop, foreach loops, Breaking out of a loop, continue statements,
Week Five	<ul style="list-style-type: none">• PHP:• Comparing strings, converting to upper and lower case, searching to upper & lower case, searching through strings, case sensitivity.• Functions and objects : Functions, arguments, objects and properties, objects and methods, private properties, creating classes that extend classes• Form validation and sending email
Session Six	<ul style="list-style-type: none">• Adding cookies and starting sessions• Interacting with MySQL using php• Creating web app using php, MySQL and JS• Final project presentation

*Topics and class order are subject to change

Class Website: Slack, TBA

Textbook/Course Materials/ Study help(Optional)

1. <https://www.w3schools.com/sql/>
2. <https://www.w3schools.com/php/default.asp>
3. https://www.amazon.com/Sams-Teach-Yourself-MySQL-JavaScript/dp/0672337703/ref=sr_1_3?ie=UTF8&qid=1540490550&sr=8-3&keywords=php+mysql+javascript
4. https://www.amazon.com/Learning-PHP-MySQL-JavaScript-Javascript/dp/1491978910/ref=sr_1_1?ie=UTF8&qid=1540490550&sr=8-1&keywords=php+mysql+javascript

Class Schedule

Course	Days	Time
Into to PHP and MySQL	Tues & Thurs	6pm -9pm

How to Contact the Instructor?

Via slack(recommended)/ E-mail Address:	shoaib@adrepublikbd.com
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CCNY: ATTENDANCE POLICY

COME TO CLASS AND BE ON TIME! You are allowed three unexcused absences or the semester. More than three unexcused absences will result in an automatic failure for the course. Three late arrivals without a credible reason will count as once absence. Class work must be turned in on time. Late work will be penalized!

Note: Absences are counted from the first day of class even if they are a result of late registration or change of program.

Missed Classes: You are responsible for obtaining material, which may have been distributed on class days when you were absent. Please network in class so you can count on a classmate(s)

Class Etiquette:

Please be respectful of your instructor and the other students in the course. Students are expected to refrain from any and all disruptive behavior. This includes, but is not limited to, excessive talking, forgetting to turning off cell phones, or arriving to class very late.

Academic Dishonesty: Plagiarism and cheating are serious offenses and may be punished by failure on exam, paper or project and failure in the course.