



Labwork 3 : PHP/MySQL/API

Exercise 1: Download and install one of the four PHP development environments in your own computer: XAMPP, WAMP, MAMP, LAMP.

Exercise 2: write a PHP script to display the following strings:

```
'Tomorrow I \'ll study PHP server-side scripting language.'  
'Can you check if this command is correct : del c:\\*.*'
```

Exercise 3: write a PHP script to display the following table:

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80

Exercise 4: write a PHP function to calculate the factorial of a positive integer number. The function accepts the number as an argument.

Exercise 5: write a PHP function to check if a positive integer number is prime or not. A prime number is a natural number greater than 1 that has no positive divisors other than 1 and itself.

Exercise 6: write a PHP function to sort a numerical array.

Exercise 7: write a PHP function to reverse a string.

Exercise 8: Given the following table. Use PHP, MySQL to perform the following tasks:

- Use PHP and “Insert” query to create the given table.
- Use PHP and “Update” query to check if the mark of the students < 60 then update their class to Two.
- Use PHP and “Select” query to retrieve information from the updated table. Display results in three tables of three groups:
 - Best students (with the mark > 75)
 - Good students (with the mark > 60 and <=75)
 - Average students (with the mark < 60)



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ID	NAME	CLASS	MARK	SEX
1	John Deo	Four	75	female
2	Max Ruin	Three	85	male
3	Arnold	Three	55	male
4	Krish Star	Four	60	female
5	John Mike	Four	60	female
6	Alex John	Four	55	male
7	My John Rob	Fifth	78	male
8	Asruid	Five	85	male
9	Tes Qry	Six	78	male
10	Big John	Four	55	female

Exercise 9. Study Dummy static API at <https://dummyapi.io/> and make a frontend in HTML, JavaScript, CSS for this API. The following functions are required:

- Users:
 - List available users
 - Detail info of a user profile
 - List all posts for a specific user
- List available posts
- List all comments for a specific post

Note: You need to submit the source codes of your lab works to the google drive folder of the course.