

# Database Systems & Web Lab (15B11CI312)

## Assignment: 9 (03-10-2022 to 15-10-2022)

### INSTRUCTIONS

1. Upload all your completed assignments on respective google classroom
2. Lab Test 1 is scheduled from **07/10/2022 to 12/10/2022** in your respective lab timing.  
Syllabus: SQL
3. Reference link  
<https://www.geeksforgeeks.org/php-examples/>

1. Write a PHP program to compute the sum of the prime numbers less than 100
2. Write a PHP Program named “States.php” that creates a variable “\$states” with the value “Mississippi Alabama Texas Massachusetts Kansas”. Write a program that does following:
  - Search for a word in \$states that ends in xas. Store this word in element 0 of an array \$statesArray.
  - Search for a word in \$states that begins with k and ends in s. Perform a case sensitive comparison. Store this word in element 1 of \$statesArray.
  - Search for a word in \$states that begins with M and ends with s. Store this element in element 2 of array.
  - Search for a word in \$states that ends in a. Store this word in element 3 of array.
  - Search for a word in states at the beginning of the string that starts with M. Store thisword in element 4 of the array.
  - Output the array \$statesArray to the screen.
3. Create a **database Firstdb** in mysql from php and then create a table Student(Enrollment\_no, Name, Age, Course) and perform following operation.
  - (a) Insert the record for 10 students.
  - (b) Delete those student records who has age above 24.
  - (c) For student who has enrolment no as “110”, change course to DBW.
  - (d) Create a display function to print all the records after each above operations.
4. Design a database called employee, which contains information like empID, Name, department, branch, Salary, Gender. **Design a web page with proper validations (all values are required, salary must be greater than 0)** which contains two textboxes in which user can input salary range. When user selects submit button, system should display:
  - a. Details of all employees whose salary belongs to input range (ex 1000-10,000).
  - b. List the highest salary profile of each category (male and female).
  - c. Display all profiles in descending order according to emp name (whose name length is >4).
  - d. Display the list of employees for each department in order of their salary.