

Q1.

```
<?php
```

```
$primes = array();
```

```
$is_prime_no = false;
```

```
for ($i = 2; $i<100; $i++) {
```

```
    $is_prime_no = true;
```

```
    for ($j = 2; $j<=($i/2); $j++) {
```

```
        if ($i%$j==0) {
```

```
            $is_prime_no = false;
```

```
            break;
```

```
        }
```

```
    }
```

```
    if ($is_prime_no) {
```

```
        array_push($primes,$i);
```

```
    }
```

```
    if (count($primes)==100) {
```

```
        break;
```

```
    }
```

```
}
```

```
echo array_sum($primes)."\n";
```

?>

Q2.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php
```

```
    $states = "Mississippi Alabama Texas Massachusetts Kansas";
```

```
    $statesArray = [];
```

```
    $states1 = explode(' ', $states);
```

```
    foreach($states1 as $state) {
```

```
        if(preg_match( '/xas$/', ($state)))
```

```
            $statesArray[0] = ($state);
```

```
    }
```

```
    foreach($states1 as $state) {
```

```
        if(preg_match('/^k.*s$/i', ($state)))
```

```
            $statesArray[1] = ($state);
```

```
    }
```

```

foreach($states1 as $state) {
    if(preg_match('/^M.*s$/', ($state)))
        $statesArray[2] = ($state);
}

foreach($states1 as $state) {
    if(preg_match('/a$/', ($state)))
        $statesArray[3] = ($state);
}

foreach($states1 as $state) {
    if(preg_match('/^M/', ($state)))
        $statesArray[4] = ($state);
}

foreach ( $statesArray as $element => $value ){
    print( $value." is the element ". $element."<br/>");
}

?>

</body>

</html>

```

Q3.

```
<?php
```

```
$servername = "localhost";
```

```
$username = "username";
```

```
$password = "password";
```

```
$conn = mysqli_connect($servername, $username, $password);
```

```
if (!$conn) {
```

```
    die("Connection failed: " . mysqli_connect_error());
```

```
}
```

```
// Create database
```

```
$sql = "CREATE DATABASE Firstdb";
```

```
if (mysqli_query($conn, $sql)) {
```

```
    echo "Database created successfully";
```

```
} else {
```

```
    echo "Error creating database: " . mysqli_error($conn);
```

```
}
```

```
$sql = "CREATE TABLE Student (
```

```
eNo INTEGER PRIMARY KEY,  
name TEXT NOT NULL,  
course TEXT NOT NULL,  
age int  
);
```

```
if ($conn->query($sql) === TRUE) {  
    echo "Table MyGuests created successfully";  
} else {  
    echo "Error creating table: " . $conn->error;  
}
```

```
$sql = "INSERT INTO Student VALUES (0001, 'Clark', 'Sales',14),(0002,  
'Dave', 'Accounting',18),(0003, 'Ava', 'Sales',19),(0004, 'Avajhwegf',  
'Phy',19),(0005, 'jsheetgf', 'Che',18),(0006, 'shjgg', 'Math',19),(0007, 'qtrye',  
'Bio',19),(0008, 'xyz', 'Sales',17),(0009, 'iywe', 'zoology',19),(0010, 'loojd',  
'Eco',19)";
```

```
if ($conn->query($sql) === TRUE) {  
    echo "New record created successfully";  
} else {  
    echo "Error: " . $sql . "<br>" . $conn->error;  
}
```

```
$sql ="DELETE FROM Student where age>24";
```

```
$sql ="UPDATE Student SET course="DBW" where eNo=0110;
```

```
$sql ="SELECT * from Student";
```

```
$result = $conn->query($sql);
```

```
if ($result->num_rows > 0) {
```

```
    // output data of each row
```

```
    while($row = $result->fetch_assoc()) {
```

```
        echo "Enroll No: " . $row["eNo"]. " - Name: " . $row["name"]. "-course  
" . $row["course"]." Age:-". $row["age"]. "<br>";
```

```
    }
```

```
} else {
```

```
    echo "0 results";
```

```
}
```

```
$conn->close();
```

```
?>
```

Q4.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<form method="post" id="form1">
```

```
<p> Enter Min Salary: <input type="number" name="mins" required></p>
```

```
<p> Enter Max Salary: <input type="number" name="maxs" required></p>
```

```
<button type="submit" value="Submit" form="form1"> SUBMIT </button>
```

```
</form>
```

```
<?php
```

```
$servername = "localhost";
```

```
$username = "username";
```

```
$password = "password";
```

```
// Create connection
```

```
$conn = new mysqli($servername, $username, $password);
```

```
// Check connection
```

```
if ($conn->connect_error) {
```

```
die("Connection failed: " . $conn->connect_error);  
}  
  
echo "Connected successfully";
```

```
$sql = "CREATE TABLE employee (  
id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,  
name VARCHAR(30) NOT NULL,  
department VARCHAR(30) NOT NULL,  
branch VARCHAR(30) NOT NULL,  
salary int NOT NULL check(salary>0),  
gender VARCHAR(1) NOT NULL  
)";
```

```
if ($conn->query($sql) === TRUE) {  
    echo "Table MyGuests created successfully";  
} else {  
    echo "Error creating table: " . $conn->error;  
}
```

```
$sql="insert into employee(name,department,branch,salary,gender)  
values('adi','IT',2000,'M'),('yash','cse',20000,'M'),('stuti','IT',2500,'F'),('lavish',
```



```
'cse',3000,'M'),('arin','IT',4000,'M'),('atharv','cse',2500,'M'),('adii','AI',45000,'M'),('vipul','ML',20000,'M');
```

```
if ($conn->query($sql) === TRUE) {  
    echo "New record created successfully";  
} else {  
    echo "Error: " . $sql . "<br>" . $conn->error;  
}
```

```
$max_sal=$min_sal="";  
if ($_SERVER["REQUEST_METHOD"] == "POST") {  
    $max_sal = test_input($_POST["maxs"]);  
    $min_sal = test_input($_POST["mins"]);  
}
```

```
function test_input($data) {  
    $data = trim($data);  
    $data = stripslashes($data);  
    $data = htmlspecialchars($data);  
    return $data;  
}
```

```
$sql="select*from employee where salary between $min_sal and  
$max_sal";
```

```
$sql="select gender,max(salary) from employee group by gender";
```

```
$sql="select name from employee order by len(name) desc";
```

```
$sql="select * from employee group by department order by salary desc";
```

```
$conn->close();
```

```
?>
```

```
</body>
```

```
</html>
```