

## PRACTICAL – 7

**Aim: Perform following programs of PHP with MySQL Database.**

**1. Write a PHP Program That Creates a Database in MySQL by the Name Entered by User.**

**Code:**

```
<?php
$username = "root";
$password = "";
$servername = "localhost:3306";
$conn = mysqli_connect($servername, $username, $password);
$success = "";
$error = "";
if (isset($conn)) {
    $success = "Connection Successful";
    $sql = "CREATE DATABASE " . $_POST['dbname'];
    if (isset($_POST['dbname'])) {
        if (mysqli_query($conn, $sql)) {
            $success = $_POST['dbname']. " Database created successfully ";
        } else {
            $error = "Error creating database: " . mysqli_error($conn);
        }
    } else {
        $error = "Please enter a database name.";
    }
} else {
    $error = "Connection Failed: " . mysqli_connect_error();
}
mysqli_close($conn);
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Mysql Using PHP</title>
</head>
<body>
    <h1>MySQL Database Creation</h1>
    <h2><?php echo $success; ?></h2>
    <h2><?php echo $error; ?></h2>
    <form method="POST" action=<?php echo $_SERVER['PHP_SELF']; ?>>
```

```

<label for="name">Database Name:</label><br>
<input type="text" id="dbname" name="dbname"><br><br>
<input type="submit" value="Submit">
</form>
</body>
</html>

```

**Output:****MySQL Database Creation****Connection Successful****Please enter a database name.**

Database Name:

DHRUV

Submit

**MySQL Database Creation****DHRUV Database created successfully**

Database Name:

Submit

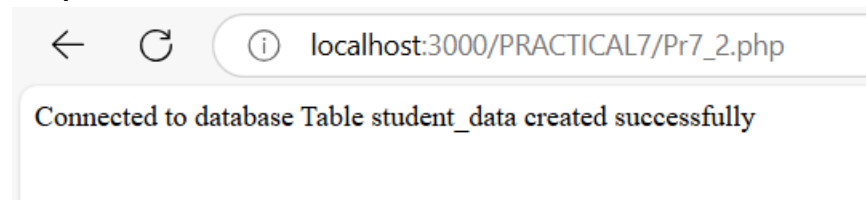
**2. Write a PHP Program to Create a Table in MySQL Database.****Code:**

```

<?php
$username = "root";
$password = "";
$servername = "localhost:3306";
$db = "student";
$connection = mysqli_connect($servername, $username, $password, $db);
if (!$connection) {
    echo (mysqli_connect_error());
}
else {
    echo "Connected to database\n";
}
$sql = "CREATE TABLE student_data (
    id INT(6) AUTO_INCREMENT PRIMARY KEY,
    studentname VARCHAR(30) NOT NULL,
    email VARCHAR(50),
    enrollment_no INT(15) NOT NULL
)";
if (mysqli_query($connection, $sql)) {
    echo "Table student_data created successfully\n";
} else {
    echo "Error creating table: " . mysqli_error($connection);
}

```

```
mysqli_close($connection);
?>
```

**Output:****3. Write a PHP Program to Insert Records in the Table via User Input Form.****Code:**

```
<?php
$username = "root";
$password = "";
$servername = "localhost:3306";
$db = "student";
$connection = mysqli_connect($servername, $username, $password, $db);
$success = "";
$error = "";
if (!$connection) {
    echo (mysqli_connect_error());
} else {
    echo "Connected to database\n";
}
if (isset($_POST['name']) && isset($_POST['enrollment']) && isset($_POST['email'])) {
    $name = $_POST['name'];
    $enrollment = $_POST['enrollment'];
    $email = $_POST['email'];

    $query = "INSERT INTO student_data (studentname, email, enrollment_no)
        VALUES ('$name', '$email', '$enrollment')";
    if (mysqli_query($connection, $query)) {
        $success = "Data inserted successfully.";
    } else {
        $error = "Error: " . mysqli_error($connection);
    }
}
mysqli_close($connection);
?>
<!DOCTYPE html>
<html lang="en">
```

```

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>User Profile</title>
</head>
<body>
  <h1>Contact Form</h1>
  <form method="POST" action="" enctype="multipart/form-data">
    <table border="1">
      <tr>
        <td>Student Name:</td>
        <td><input type="text" name="name" required></td>
      </tr>
      <tr>
        <td>Enrollment No:</td>
        <td><input type="text" name="enrollment" required></td>
      </tr>
      <tr>
        <td>Email:</td>
        <td><input type="email" name="email" required></td>
      </tr>
      <tr>
        <td><input type="submit" value="Submit"></td>
        <td><?php if (isset($error)) echo "<p style='color:red;'>$error</p>"; ?>
          <?php if (isset($success)) echo "<p style='color:green;'>$success</p>"; ?>
        </td>
      </tr>
    </table>
  </form>
</body>
</html>

```

**Output:**

Connected to database

## Contact Form

Student Name:	<input type="text" value="DHRUV SHERE"/>
Enrollment No:	<input type="text" value="21"/>
Email:	<input type="text" value="sheredhruv@gmail.com"/>
<input type="submit" value="Submit"/>	

Connected to database

## Contact Form

Student Name:	<input type="text"/>
Enrollment No:	<input type="text"/>
Email:	<input type="text"/>
<input type="button" value="Submit"/>	Data inserted successfully.

**4. Display the Inserted Records and Apply the Filter for any one of the Field that should Display the Specific Record.**

**Code:**

```
<?php
$username = "root";
$password = "";
$servername = "localhost:3306";
$db = "student";
$conn = mysqli_connect($servername, $username, $password, $db);
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
} else {
    echo "Connected to database<br>";
}
$success = "";
$error = "";
$data_rows = "";
$query_all = "SELECT * FROM student_data";
$result_all = mysqli_query($conn, $query_all);
if ($result_all) {
    while ($row = mysqli_fetch_assoc($result_all)) {
        $data_rows .= "<tr>
            <td>{$row['studentname']}</td>
            <td>{$row['email']}</td>
            <td>{$row['enrollment_no']}</td>
        </tr>";
    }
} else {
    $error = "Error: " . mysqli_error($conn);
}
```

```

}
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $enrollmentno=$_POST['enrollmentno'];
    $query_filtered = "SELECT * FROM student_data WHERE enrollment_no = '$enrollmentno'";
    $result_filtered = mysqli_query($connection, $query_filtered);
    if ($result_filtered) {
        $data_rows = "";
        while ($row = mysqli_fetch_assoc($result_filtered)) {
            $data_rows .= "<tr>
                <td>{$row['studentname']}</td>
                <td>{$row['email']}</td>
                <td>{$row['enrollment_no']}</td>
            </tr>";
        }
    } else {
        $error = "Error: " . mysqli_error($connection);
    }
}
mysqli_close($connection);
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Student Records</title>
</head>
<body>
    <h1>Student Records</h1>
    <form method="POST" action="">
        <input type="text" name="enrollmentno" placeholder="Enter Student Enrollment No."
style="width: 20vw;" />
        <input type="submit" value="Search" />
    </form>
    <p class="message"><?php echo $success ?? " "; ?></p>
    <p class="message"><?php echo $error ?? " "; ?></p>
    <table>
        <tr>
            <th>Student Name</th>
            <th>Email</th>
            <th>Enrollment No.</th>

```

```
</tr>
<?php echo $data_rows; ?>
</table>
</body>
</html>
```

**Output:**

Connected to database

## Student Records

Enter Student Enrollment No.

Search

Student Name	Email	Enrollment No.
SHERE DHRUV PRASHANT	sheredhruv@gmail.com	21
NIRMAL PRAJAPATI	prajapatinirmal@gmail.com	136
VINAY KOSHTI	vinaykosti.it@gmail.com	98

Connected to database

## Student Records

21

Search

Student Name	Email	Enrollment No.
SHERE DHRUV PRASHANT	sheredhruv@gmail.com	21