

Godavari Foundation's
Godavari College of Engineering, Jalgaon
Department of Computer

Lab Manual

Database System Laboratory

Practical No:- _____

Date:- _____

Name of Student:- _____

Class:- _____

Roll No:- _____

Title:

Aim: -

Software Requirement: _____

Hardware Requirement:- _____

Theory:-

Database Connectivity

HTML, PHP, MYSQL, APACHE2

Step 1: Filter HTML form requirements for form web page

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Step 2: Create a database and a table in MYSQL

Step 3: Create HTML form

Step 4: Create HTML page to insert HTML form data in MYSQL database

Step 5: All done!

Select Field Name username, password, gender, email, phoneCode, phone

Step 2: Create a database and a table in MYSQL

Type `mysql -u root -p` in command prompt.

Enter password

mysql> prompt appear.

Create database by name student.

Open database by the command Use Student

Create table register

mysql> use student;

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

mysql> desc register;

Field	Type	Null	Key	Default	Extra
username	varchar(20)	YES		NULL	
password	varchar(20)	YES		NULL	
gender	varchar(10)	YES		NULL	
email	varchar(30)	YES		NULL	
phoneCode	int(4)	YES		NULL	
phone	bigint(12)	YES		NULL	

6 rows in set (0.02 sec)

Step 3: Create HTML form

create webpage with name of "form.html"

Type `sudo nano /var/www/html/form.html`

Copy and paste the following code.

```

<!DOCTYPE HTML>
<html>
<head>
  <title>Register Form</title>
</head>
<body bgcolor="pink" height="400px" width="400px">
  <form action="inset.php" method="POST">
    <table>
      <tr>
        <td>Name :</td>
        <td><input type="text" name="username" required></td>
      </tr>
      <tr>
        <td>Password :</td>
        <td><input type="password" name="password" required></td>
      </tr>
      <tr>
        <td>Gender :</td>
        <td>
          <input type="radio" name="gender" value="m" required>Male
          <input type="radio" name="gender" value="f" required>Female
        </td>
      </tr>

      <tr>
        <td>Email :</td>
        <td><input type="email" name="email" required></td>
      </tr>
      <tr>
        <td>Phone no :</td>
        <td>
          <select name="phoneCode" required>
            <option selected hidden value="">Select Code</option>
            <option value="977">977</option>
            <option value="978">978</option>
            <option value="979">979</option>
            <option value="973">973</option>
            <option value="972">972</option>
            <option value="974">974</option>
          </select>
          <input type="phone" name="phone" required>
        </td>
      </tr>
    </table>
  </form>

```

```
<td><input type="submit" value="Submit"></td>
</tr>
</table>
</form>
```

Test it in localhost link <http://localhost/form.html>

Step 4: Create PHP page to insert data entered in form.html webpage to MYSQL database

The “form.html” action is “inset.php” page. On this web page code is written for inserting record in database.

For storing data in MYSQL database as records, first connect with database. For connect with database code is

```
$con =
mysqli_connect(“localhost”,”localhost_database_user”,”localhost_database_password”,”localho
st_database_db”);
```

Generally Local Host Database user is root and password is root or blank
The code is as below

```
$con = mysqli_connect ('localhost','root','root','student');
```

The “student” is database name that is created before.

After connection database, take post variable from the form see the code below

```
$username = $_POST['username'];
$password = $_POST['password'];
$gender = $_POST['gender'];
$email = $_POST['email'];
$phoneCode = $_POST['phoneCode'];
$phone = $_POST['phone'];
```

After Post variable write following SQL command.

```
$INSERT = "INSERT Into register (username, password, gender, email, phoneCode, phone)
values(?, ?, ?, ?, ?, ?)";
```

To execte Query on database, write the code

```
$stmt->execute();
```

inset.php file code below

```
<?php
$username = $_POST['username'];
$password = $_POST['password'];
$gender = $_POST['gender'];
$email = $_POST['email'];
$phoneCode = $_POST['phoneCode'];
$phone = $_POST['phone'];
if (!empty($username) || !empty($password) || !empty($gender) || !empty($email) ||
!empty($phoneCode) || !empty$
$host = "localhost";
$dbUsername = "root";
$dbPassword = "root";
$dbname = "student";
//create connection
$conn = new mysqli($host, $dbUsername, $dbPassword, $dbname);
if (mysqli_connect_error()) {
    die('Connect Error('. mysqli_connect_errno().')'. mysqli_connect_error());
} else {
    $SELECT = "SELECT email From register Where email = ? Limit 1";
    $INSERT = "INSERT Into register (username, password, gender, email, phoneCode, phone)
values(?, ?, ?, ?, ?$
    //Prepare statement
    $stmt = $conn->prepare($SELECT);
    $stmt->bind_param("s", $email);
    $stmt->execute();
    $stmt->bind_result($email);
    $stmt->store_result();
    $stmt->store_result();
    $stmt->fetch();
    $rnum = $stmt->num_rows;
    if ($rnum==0) {
        $stmt->close();
        $stmt = $conn->prepare($INSERT);
        $stmt->bind_param("ssssii", $username, $password, $gender, $email, $phoneCode, $phone);
        $stmt->execute();
        echo "New record inserted sucessfully";
    } else {
        echo "Someone already register using this email";
    }
    $stmt->close();
    $conn->close();
}
} else {
    echo "All field are required";
```

```
die();  
}  
?>
```

Step 5: All done!

Start apache2 server
Type following URL in browser
<http://localhost/form.html>
Fill the form details.
See record inserted in table in the database.

Conclusion:-
