

Internet Technologies – CSE 256

End Term Lab Assessment

Sai Ram. K

20181CSE0621 | 7 – CSE – 10

Question 1.

HTML CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My Form</title>
  <link rel="stylesheet" href="rough.css">
</head>
<script src="rough.js"></script>
<body>
  <h1>Welcome To Placement Registration!! <br>Enter your details below</h1>
  <div style='float:right; width: 180px; '>
    <div style='position: fixed;background-color: cornflowerblue;padding: 10;border:
2px solid black ; border-radius: 25px;padding: 15px;'>
      Sai Ram. K 20181CSE0621 <br> 7 -CSE- 10 | EndTerm
    </div></div>
  <div class="details">
    <form name="form" action="" method="post " id="form" onsubmit="return validate()">
      <div class="name">
        <label for="name">Name:</label>
        <input id="name" placeholder="Enter your name."><span
id="alertname"><strong></strong></span>
      </div>
      <div class="id">
        <label for="id">ID No. : </label>
        <input id="id" placeholder="20181XYZ0000"><span
id="alertid"><strong></strong></span>
      </div>
      <div class="mob">
        <label for="mob">Mobile : </label>
        <input id="mob" placeholder="9876543210"><span
id="alertmob"><strong></strong></span>
      </div><br>
      <div class="address">
        <label for="address">Address : </label>
        <input id="address" placeholder="#42, Cross, City, State"><span
id="alertaddr"><strong></strong></span>
      </div><br>
```

```

<div class="branch">
  <label for="branch">Branch : </label>
  <select name="branch" id="branch">
    <option value="" disabled selected>Select your branch</option>
    <option value="CSE">CSE</option>
    <option value="ISE">ISE</option>
    <option value="ECE">ECE</option>
    <option value="EEE">EEE</option>
    <option value="MEC">MEC</option>
    <option value="CIV">CIV</option>
  </select>
  <span id="alertbranch"><strong></strong></span>
</div><br>
<div class="sem">
  <label for="sem">Semester : </label>
  <input type="number" min="0" max="8" id="sem" placeholder="1"><span
id="alertsem"><strong></strong></span>
</div><br>
<div class="cgpa">
  <label for="cgpa">CGPA : </label>
  <input type="number" min="0" max="10" step="0.10" id="cgpa"
placeholder="8.50 "><span id="alertcgpa"><strong></strong></span>
</div><br>
<div class="btn" style="padding-left: 5rem;">
  <button type="submit" id="submit">Submit</button>
</div>
</form>
</div>
</body>
</html>

```

CSS CODE

```

*{
  font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, Oxygen, Ubuntu,
Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
}
body{
  text-align: center;
  background:aquamarine;
}
.details{
  padding: 20px;
  font-family: inherit;
  font-weight: bolder;
  display: inline-block;
}
.name, .id, .sec, .sub{
  padding: 5px;
  margin: 5px;
}
#form input{
  border-radius: 15px;
}

```

```
outline: none;
width: 500px;
height: 35px;
border: 3px solid black;
}
#form label{
font-size: 20px;
padding-right: 10px;
}
::placeholder{
text-align: center;
font-size: 20px;
}
#submit{
border: 3px solid black;
border-radius: 15px;
width: 150px;
height: 75px;
cursor: pointer;
text-align: center;
outline: none;
background-color: cornflowerblue;
color: azure;
font-size: large;
font-weight: bold;
}
#alertname,#alertmob,#alertaddr,#alertsem,#alertcgpa,#alertbranch,#alertid{
font-size: 15px;
text-align: center;
color: red;
}
#branch{
border-radius: 10px;
outline: none;
width: 500px;
height: 35px;
border: 3px solid black;
text-align: center;
font-size: 15px;
font-weight: 500;
}
```

JS CODE

```
function validate()
{
var name = document.getElementById("name").value;
var id = document.getElementById("id").value;
var mob = document.getElementById("mob").value;
var address = document.getElementById("address").value;
var branch = document.getElementById("branch").value;
var sem = document.getElementById("sem").value;
```

```
var cgpa = document.getElementById("cgpa").value;
var phoneno = /^\\d{10}$\\;/;

if(name.trim()=="){
    document.getElementById("alertname").innerHTML = "<p>Name Cannot be Blank</p>";
    return false;
}
if(id.trim()=="){
    document.getElementById("alertid").innerHTML = "<strong><br>Student ID needs to be
provided. Eg:20181XYZ0000</strong>";
    return false;
}
if(id.length>12){
    document.getElementById("alertid").innerHTML = "<strong><br>ID cannot be more than 12
characters. Eg:20181XYZ0000</strong>";
    return false;
}
if (id!= "20181CSE0621"){
    document.getElementById("alertid").innerHTML = "<strong><br>Enter Valid ID format.
Eg:20181XYZ0000</strong>";
    return false;
}
if(mob.match(phoneno))
{
    console.log("Phone no. valid");
}else{
    document.getElementById("alertmob").innerHTML = "<strong><br>Enter Valid mobile
number. Eg:9876543210 </strong>";
    return false;
}
if(address.trim()=="){
    document.getElementById("alertaddr").innerHTML = "<strong><br>Enter Valid
address.</strong>";
    return false;
}
if(branch.trim()=="){
    document.getElementById("alertbranch").innerHTML = "<strong><br>Choose from the
menu.</strong>";
}
if(sem.trim()=="){
    document.getElementById("alertsem").innerHTML = "<strong><br>Enter Your
Semester.</strong>";
}
if(cgpa.trim()=="){
    document.getElementById("alertcgpa").innerHTML = "<strong><br>Enter Your
CGPA.</strong>";
}
}
```

OUTPUT SCREENSHOTS

UI OUTPUT:

My Form x +

127.0.0.1:5500/rough.html?

Welcome To Placement Registration!!

Enter your details below

Name:

ID No. :

Mobile :

Address :

Branch :

Semester :

CGPA :

Sai Ram. K
20181CSE0621
7 -CSE- 10 | EndTerm

10:57 AM
12-01-2022

NAME VALIDATION:

My Form x +

127.0.0.1:5500/rough.html?

Welcome To Placement Registration!!

Enter your details below

Name:

****Name Cannot be Blank**

ID No. :

Mobile :

Address :

Branch :

Semester :

CGPA :

Sai Ram. K
20181CSE0621
7 -CSE- 10 | EndTerm

10:59 AM
12-01-2022

ID VALIDATION:

My Form x +

127.0.0.1:5500/rough.html?

Welcome To Placement Registration!!

Enter your details below

Name: Sai Ram. K

ID No. : Abc22112

Mobile : 9876543210

Address : #42, Cross, City, State

Branch : Select your branch

Semester : 1

CGPA : 8.50

Submit

****Enter Valid ID format. Eg:20181XYZ0000**

Sai Ram. K
20181CSE0621
7 -CSE- 10 | EndTerm

11:01 AM
12-01-2022

MOBILE VALIDATION:

My Form x +

127.0.0.1:5500/rough.html?

Welcome To Placement Registration!!

Enter your details below

Name: Sai Ram. K

ID No. : 20181CSE0621

Mobile : 12345abc

Address : #42, Cross, City, State

Branch : Select your branch

Semester : 1

CGPA : 8.50

Submit

****Enter Valid mobile number. Eg:9876543210**

Sai Ram. K
20181CSE0621
7 -CSE- 10 | EndTerm

11:02 AM
12-01-2022

ADDRESS VALIDATION:

The screenshot shows a web browser window with the title "My Form" and the URL "127.0.0.1:5500/rough.html?". The page has a light green background and contains a registration form titled "Welcome To Placement Registration!! Enter your details below". The form fields are: Name (Sai Ram. K), ID No. (20181CSE0621), Mobile (9481382001), Address (#42, Cross, City, State), Branch (Select your branch), Semester (1), and CGPA (8.50). A red error message "**Enter Valid address." is displayed below the address field. A blue "Submit" button is at the bottom. A blue box in the top right corner contains the user's details: "Sai Ram. K", "20181CSE0621", and "7 -CSE- 10 | EndTerm". The Windows taskbar at the bottom shows the time as 11:04 AM on 12-01-2022.

Welcome To Placement Registration!!
Enter your details below

Name: Sai Ram. K

ID No. : 20181CSE0621

Mobile : 9481382001

Address : #42, Cross, City, State
**Enter Valid address.

Branch : Select your branch

Semester : 1

CGPA : 8.50

Submit

Sai Ram. K
20181CSE0621
7 -CSE- 10 | EndTerm

SEMESTER VALIDATION:

The screenshot shows the same web browser window as before, but with a different error message. The address field now contains "#10, First Floor, 19th R cross". The red error message below the semester field reads "**Enter Your Semester.". The "Submit" button is still present. The user details box in the top right corner remains the same. The Windows taskbar at the bottom shows the time as 11:09 AM on 12-01-2022.

Welcome To Placement Registration!!
Enter your details below

Name: Sai Ram. K

ID No. : 20181CSE0621

Mobile : 9481382001

Address : #10, First Floor, 19th R cross

Branch : Select your branch

Semester : 1
**Enter Your Semester.

CGPA : 8.50

Submit

Sai Ram. K
20181CSE0621
7 -CSE- 10 | EndTerm

CGPA VALIDATION:

Welcome To Placement Registration!!
Enter your details below

Name: Sai Ram. K

ID No. : 20181CSE0621

Mobile : 9481382001

Address : #10,19th R cross, , Hebbal

Branch : CSE

Semester : 7

CGPA : 8.50

****Enter Your CGPA.**

Submit

Sai Ram. K
20181CSE0621
7 -CSE- 10 | EndTerm

OVERALL OUTPUT :

Welcome To Placement Registration!!
Enter your details below

Name: Enter your name.

ID No. : 20181XYZ0000

Mobile : 9876543210

Address : #42, Cross, City, State

Branch : Select your branch

Semester : 1

CGPA : 8.50

Submit

Sai Ram. K
20181CSE0621
7 -CSE- 10 | EndTerm

Question 2.

Creation of DB and Tables

DATABASE

The screenshot shows the phpMyAdmin interface for the 'endterm' database. The left sidebar shows the database structure with 'endterm' selected. The main panel displays the 'Structure' tab for the 'endterm' database. It lists two tables: 'student' and 'student-marks'. The 'student' table has 16.0 KiB size, and 'student-marks' has 32.0 KiB size. Below the table list, there is a 'Create table' section with a 'Name' field and a 'Number of columns' field set to 4. The 'Go' button is visible.

Student Table

The screenshot shows the phpMyAdmin interface for the 'student' table. The left sidebar shows the database structure with 'student' selected. The main panel displays the 'Table structure' tab for the 'student' table. It lists four columns: 'id' (varchar(13)), 'name' (varchar(20)), 'address' (varchar(40)), and 'mobile' (int(12)). Below the column list, there is an 'Indexes' section showing a primary index on the 'id' column. The 'Partitions' section shows 'No partitioning defined!'. The 'Go' button is visible.

Student Marks Table

Server: 127.0.0.1 » Database: endterm » Table: student-marks

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	varchar(13)	utf8mb4_general_ci		No	None			Change Drop More
2	test_name	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
3	subject1	int(11)			No	None			Change Drop More
4	subject2	int(11)			No	None			Change Drop More
5	subject3	int(11)			No	None			Change Drop More

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment	
Edit	Rename	Drop	id_fkey	BTREE	No	No	id	0	A	No

Partitions

No partitioning defined

Structure of Table

Server: 127.0.0.1 » Database: endterm » Table: student

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	varchar(13)	utf8mb4_general_ci		No	None			Change Drop More
2	test_name	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
3	subject1	int(11)			No	None			Change Drop More
4	subject2	int(11)			No	None			Change Drop More
5	subject3	int(11)			No	None			Change Drop More

Server: 127.0.0.1 » Database: endterm » Table: student

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	varchar(13)	utf8mb4_general_ci		No	None			Change Drop More
2	name	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
3	address	varchar(40)	utf8mb4_general_ci		No	None			Change Drop More
4	mobile	int(12)			No	None			Change Drop More

Insertion of Data into Tables

Inserting records in Student table

The screenshot shows a database management interface for a table named 'student'. At the top, a green banner indicates '2 rows inserted.' Below this, the SQL query used for insertion is displayed: `INSERT INTO `student` (`id`, `name`, `address`, `mobile`) VALUES ('20181CSE0621', 'Sai Ram', '#10, 19 cross, Hebbal', '9481382001'), ('20181ISE0018', 'Chandan', '#31, B street, Hebbal', '9876543210');`. The interface includes a toolbar with options like Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and Triggers. Below the query editor, there are buttons for 'SELECT *', 'SELECT', 'INSERT', 'UPDATE', 'DELETE', 'Clear', 'Format', and 'Get auto-saved query'. A 'Bind parameters' checkbox is also present. At the bottom, there is a 'Bookmark this SQL query' field and a 'Console' tab.

Run SQL query/queries on table endterm.student:

```
1 INSERT INTO `student` (`id`, `name`, `address`, `mobile`) VALUES ('20181CSE0621', 'Sai Ram', '#10, 19 cross, Hebbal', '9481382001'), ('20181ISE0018', 'Chandan', '#31, B street, Hebbal', '9876543210');
```

id
name
address
mobile

SELECT * SELECT INSERT UPDATE DELETE Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

Console

Inserting records in Marks table

The screenshot shows a database management interface for a table named 'student-marks'. At the top, a green banner indicates '2 rows inserted.' Below this, the SQL query used for insertion is displayed: `INSERT INTO `student-marks` (`id`, `test_name`, `subject1`, `subject2`, `subject3`) VALUES ('20181CSE0621', 'Test 1', '40', '38', '40'), ('20181ISE0018', 'Test 1', '33', '38', '40');`. The interface includes a toolbar with options like Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and Triggers. Below the query editor, there are buttons for 'SELECT *', 'SELECT', 'INSERT', 'UPDATE', 'DELETE', 'Clear', 'Format', and 'Get auto-saved query'. A 'Bind parameters' checkbox is also present. At the bottom, there is a 'Bookmark this SQL query' field and a 'Console' tab.

Run SQL query/queries on table endterm.student-marks:

```
1 INSERT INTO `student-marks` (`id`, `test_name`, `subject1`, `subject2`, `subject3`) VALUES ('20181CSE0621', 'Test 1', '40', '38', '40'), ('20181ISE0018', 'Test 1', '33', '38', '40');
```

id
test_name
subject1
subject2
subject3

SELECT * SELECT INSERT UPDATE DELETE Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

Console

Creation of HTML PAGE

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Progress Report </title>
</head>
<style>
  body{
    background-color: rgb(127, 208, 255);
    text-align: center;
    font-size: 25px;
  }
  #form input{
    text-align: center;
    border: 2px solid black;
    width: 450px;
    height: 35px;
    border-radius: 10px;
    outline: none;
  }
  #submit{
    width: 200px;
    height: 35px;
    text-align: center;
    background-color: rgb(80, 219, 150);
    border-radius: 10px;
    border: 2px solid black;
    cursor: pointer;
    outline: none;
    padding-left: 10px;
  }
</style>
<body>
  <h1>Welcome to our online marks Portal!</h1>
  <h3>Enter your UID to display your marks</h3>
  <form method="post" action="display.php" id="form">
    <div class="id">
      <label for="uid">Enter your uid :</label>
      <input type="text" id="uid" name="uid" placeholder="Eg: 201810XYZ0000">
    </div><br>
    <button type="submit" id="submit">Submit</button>
  </form>
</body>
</html>

<?php
```

PHP CODE

```
if ($_SERVER['REQUEST_METHOD']=='POST'){
    $uid = $_POST['uid'];
    //echo "$uid";

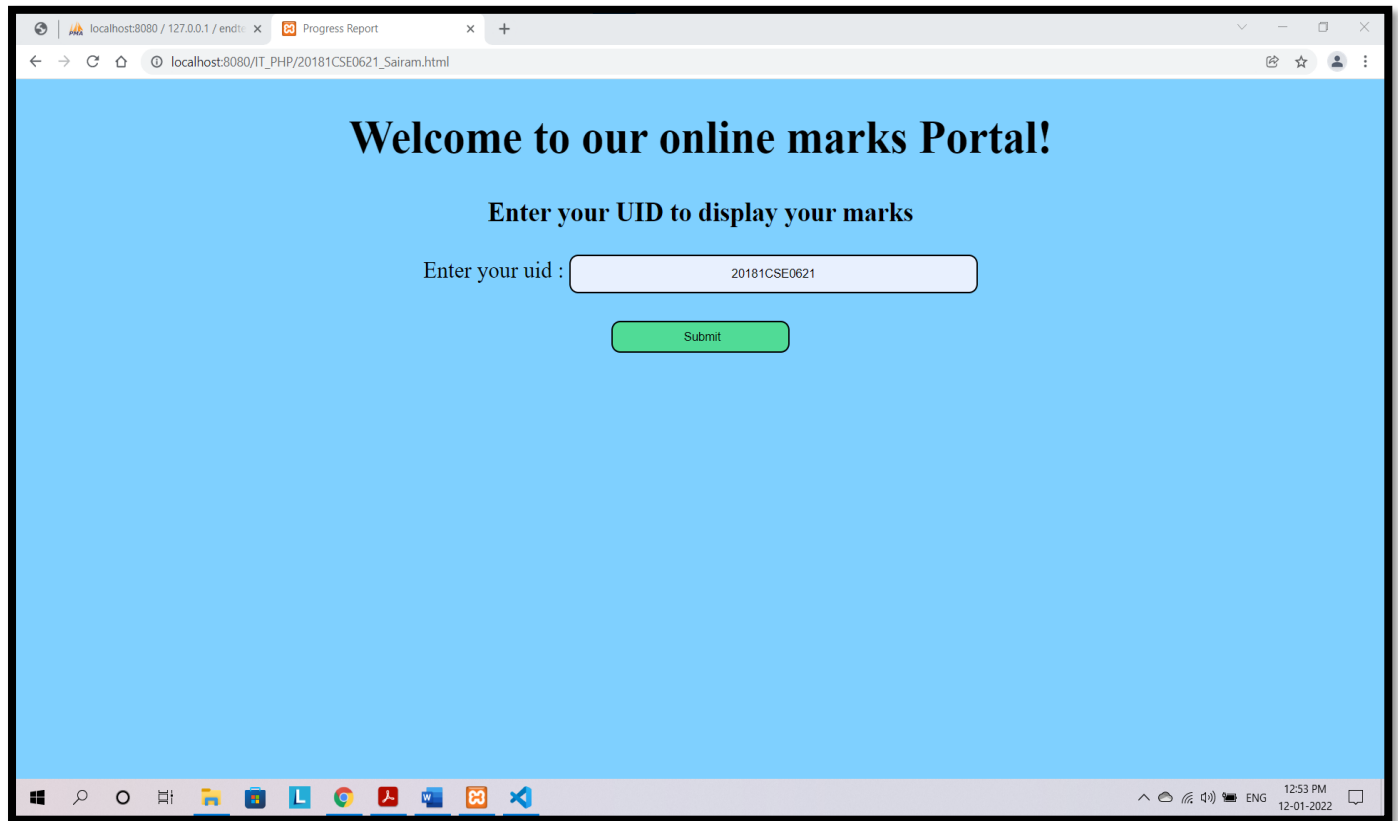
    $con = mysqli_connect("localhost","root","","endterm");
    if($con){
        // $sql = "INSERT INTO `student` (`email`, `password`) VALUES ('$email', '$pwd')";
        $sql = "SELECT * from `student_marks` where id='$uid' ";
        $result = mysqli_query($con, $sql);

        if ($result = $con -> query($sql)) {
            while ($row = $result -> fetch_row()) {
                $total = $row[2]+$row[3]+$row[4];
                echo "<h1>Hello $uid </h1><br>";
                echo "Your results are<br>";
                printf ("Subject 1: %s\nSubject 2:%s\n Subject 3:%s\n\n ",
$ row[2],$row[3],$row[4],$row[4]);
                echo "<br><br><strong>Total Marks = $total /120 </strong>";
            }
            $result -> free_result();
        }

        else{
            echo "The marks were not obtained successfully because of this error ---> ".
mysqli_error($con);
        }
    }
    else{
        echo 'Not Connected';
    }
}

?>
```

OUTPUT SCREENSHOT



TOTAL MARKS OUTPUT

