

# Internet Technologies – CSE 256

## End Term Lab Assessment

### SET - 3

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:

**Welcome To Placement Registration!!**  
**Enter your details below**

**Name:**

**ID No.:**

**Mobile:**

**Address:**

**Branch:**

**Semester:**

**CGPA:**

**Submit**

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

127.0.0.1:5500/rough.html?

### NAME VALIDATION:

My Form

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 :

Submit

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

10:59 AM  
12-01-2022

### ID VALIDATION:

My Form

127.0.0.1:5500/rough.html?

## Welcome To Placement Registration!!

Enter your details below

Name:

ID No. :

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

Mobile :

Address :

Branch :

Semester :

CGPA :

Submit

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

11:01 AM  
12-01-2022

### MOBILE VALIDATION:

My Form

127.0.0.1:5500/rough.html?

## Welcome To Placement Registration!!

Enter your details below

Name: Sai Ram. K

ID No.: 20181CSE0621

Mobile: 12345abc

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

Address: #42, Cross, City, State

Branch: Select your branch

Semester: 1

CGPA: 8.50

Submit

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

11:02 AM  
12-01-2022

### ADDRESS VALIDATION:

My Form

127.0.0.1:5500/rough.html?

## 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

11:04 AM  
12-01-2022

### SEMESTER VALIDATION:

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:**

**ID No. :**

**Mobile :**

**Address :**

**Branch :**

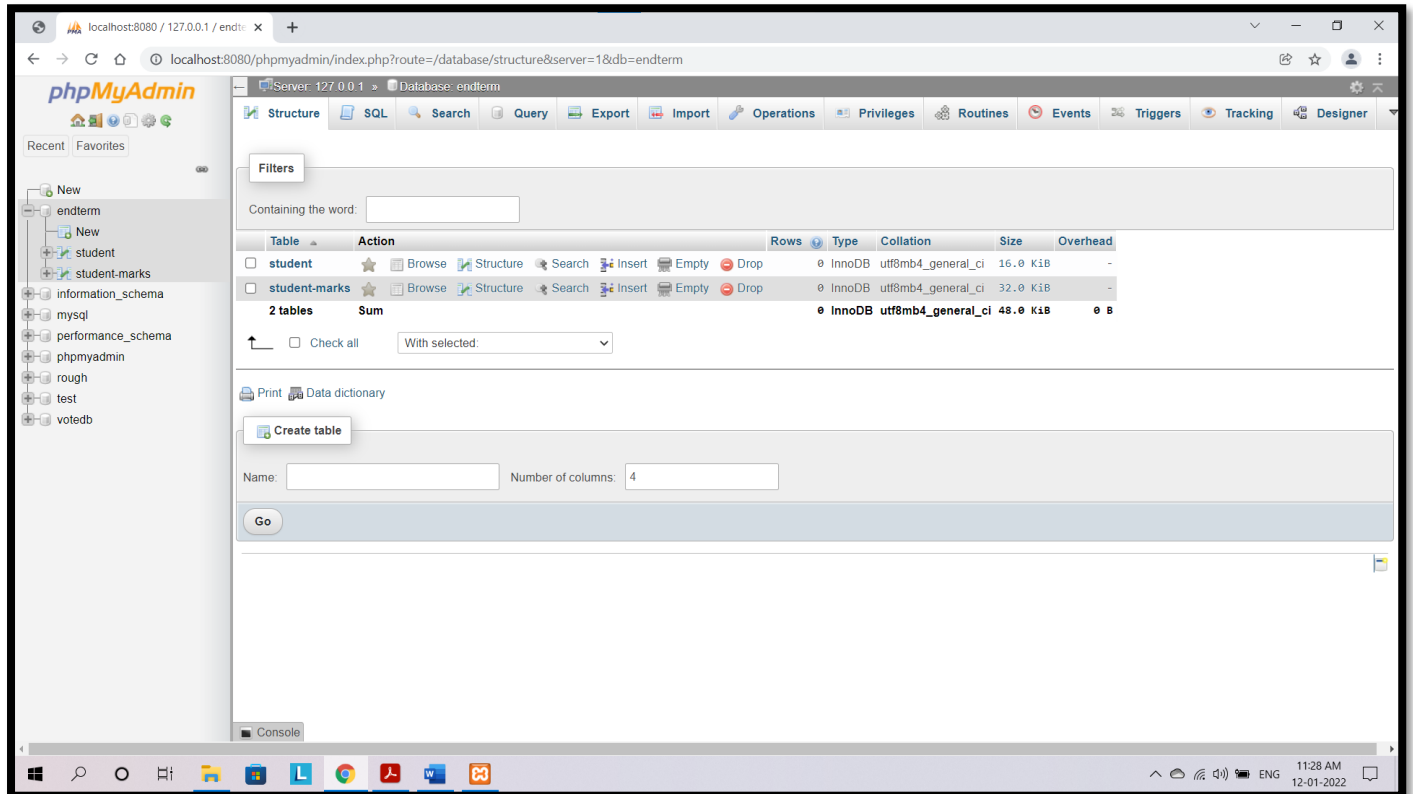
**Semester :**

**CGPA :**

**Submit**

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

**Question 2.****Creation of DB and Tables****DATABASE**



Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> student		0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> student-marks		0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<b>2 tables</b>		<b>Sum</b>			<b>48.0 KiB</b>	<b>0 B</b>

☐ Check all    With selected:

Print    Data dictionary

Create table

Name:     Number of columns:

Go

## Student Table

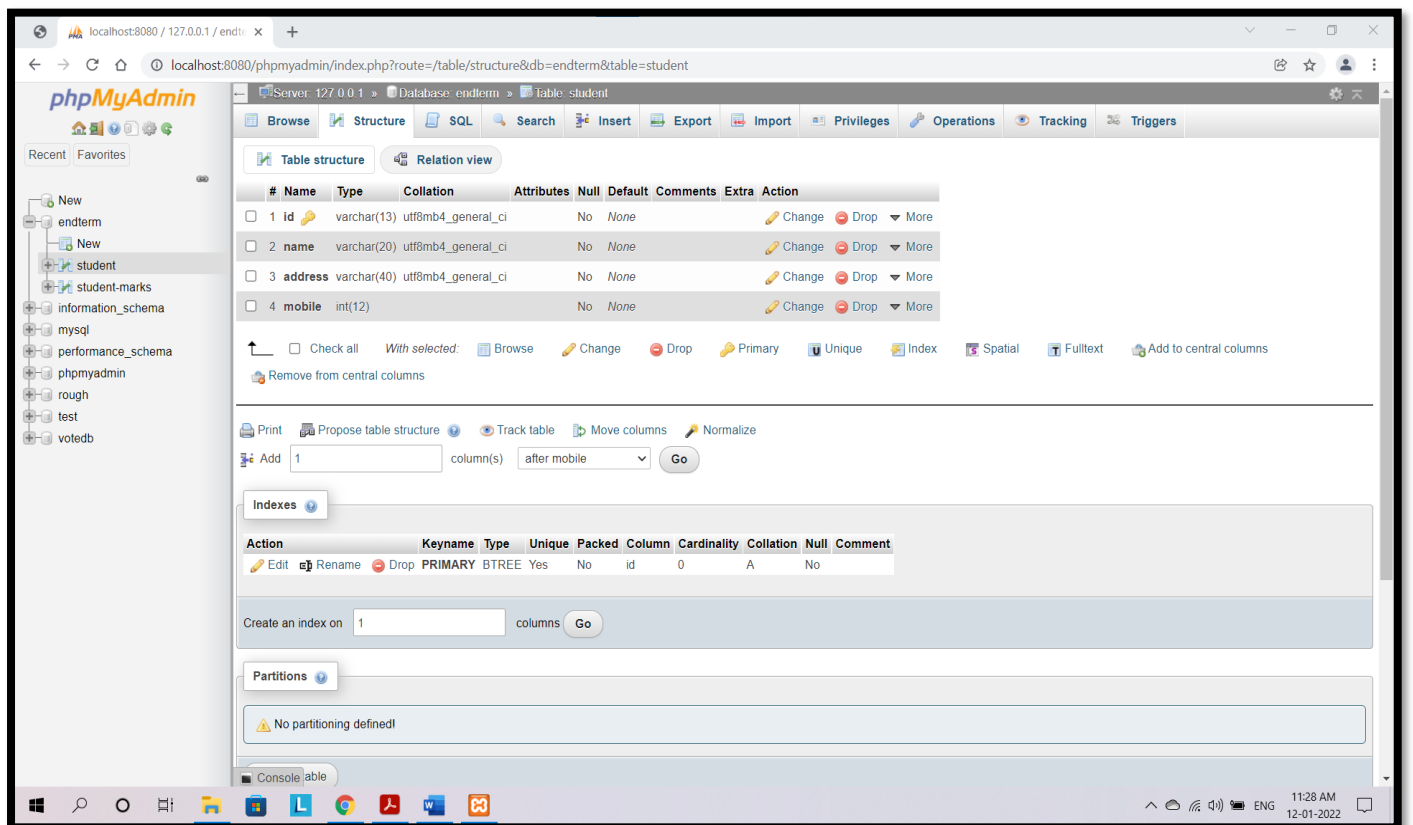


Table structure    Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	varchar(13)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 2	name	varchar(20)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 3	address	varchar(40)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 4	mobile	int(12)			No	None			

☐ Check all    With selected:

Print    Propose table structure    Track table    Move columns    Normalize

Add  column(s) after mobile    Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
	PRIMARY	BTREE	Yes	No	id	0	A	No	

Create an index on  columns    Go

Partitions

No partitioning defined!

## Student Marks Table

The screenshot shows the phpMyAdmin interface for the 'endterm' database. The 'Table structure' tab is selected for the 'student-marks' table. The table structure is as follows:

#	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

Below the table structure, there are options to 'Check all', 'With selected', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', 'Fulltext', and 'Add to central columns'. There is also a 'Remove from central columns' option.

The 'Indexes' section shows a primary key index on the 'id' column.

The 'Partitions' section shows 'No partitioning defined!'

## Structure of Table

The screenshot shows the phpMyAdmin interface for the 'endterm' database. The 'Table structure' tab is selected for the 'student' table. The table structure is as follows:

#	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

Below the table structure, there are options to 'Check all', 'With selected', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', 'Fulltext', and 'Add to central columns'. There is also a 'Remove from central columns' option.

The screenshot shows the phpMyAdmin interface for the 'endterm' database. The 'Table structure' tab is selected for the 'student' table. The table structure is as follows:

#	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

Below the table structure, there are options to 'Check all', 'With selected', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', 'Fulltext', and 'Add to central columns'. There is also a 'Remove from central columns' option.

## Insertion of Data into Tables

## Inserting records in Student table

The screenshot shows a database management interface with the following components:

- Toolbar:** Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, Triggers.
- Status Bar:** 2 rows inserted.
- SQL Editor:** Contains the following SQL query:

```
INSERT INTO `student` (`id`, `name`, `address`, `mobile`) VALUES ('20181CSE0621', 'Sai Ram', '#10, 19 cross, Hebbal', '9481382001'), ('20181ISE0018', 'Chandan', '#31, B street, Hebbal', '9876543210');
```
- Table Structure:** A table with columns: id, name, address, mobile.
- Buttons:** SELECT \*, SELECT, INSERT, UPDATE, DELETE, Clear, Format, Get auto-saved query.
- Options:** Bind parameters (unchecked), Bookmark this SQL query (text input).
- Console:** A tab at the bottom for viewing query results.

## Inserting records in Marks table

The screenshot shows a database management interface with the following components:

- Toolbar:** Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, Triggers.
- Status Bar:** 2 rows inserted.
- SQL Editor:** Contains the following SQL query:

```
INSERT INTO `student-marks` (`id`, `test_name`, `subject1`, `subject2`, `subject3`) VALUES ('20181CSE0621', 'Test 1', '40', '38', '40'), ('20181ISE0018', 'Test 1', '33', '38', '40');
```
- Table Structure:** A table with columns: id, test\_name, subject1, subject2, subject3.
- Buttons:** SELECT \*, SELECT, INSERT, UPDATE, DELETE, Clear, Format, Get auto-saved query.
- Options:** Bind parameters (unchecked), Bookmark this SQL query (text input).
- Console:** A tab at the bottom for viewing query results.

## 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";

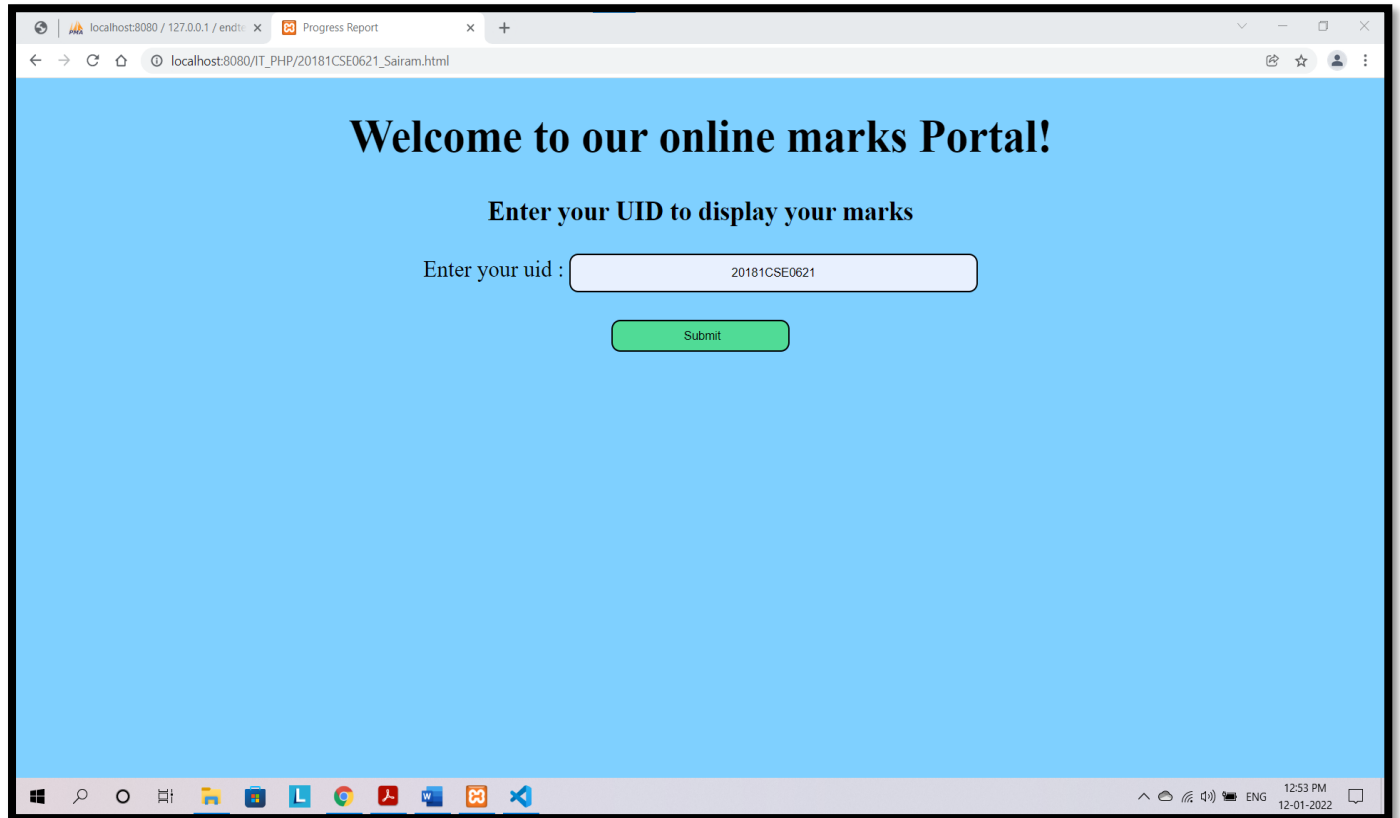
    $con = mysqli_connect("localhost","root","","endterm");
    if($con){
        //$sql = "INSERT INTO `student` (`email`, `password`) VALUES ('$email', '$pwd')";
        $sql = "SELECT * from `student_marks` where id='$uid' ";
        $result = mysqli_query($con, $sql);

        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 ",
$хrow[2],$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

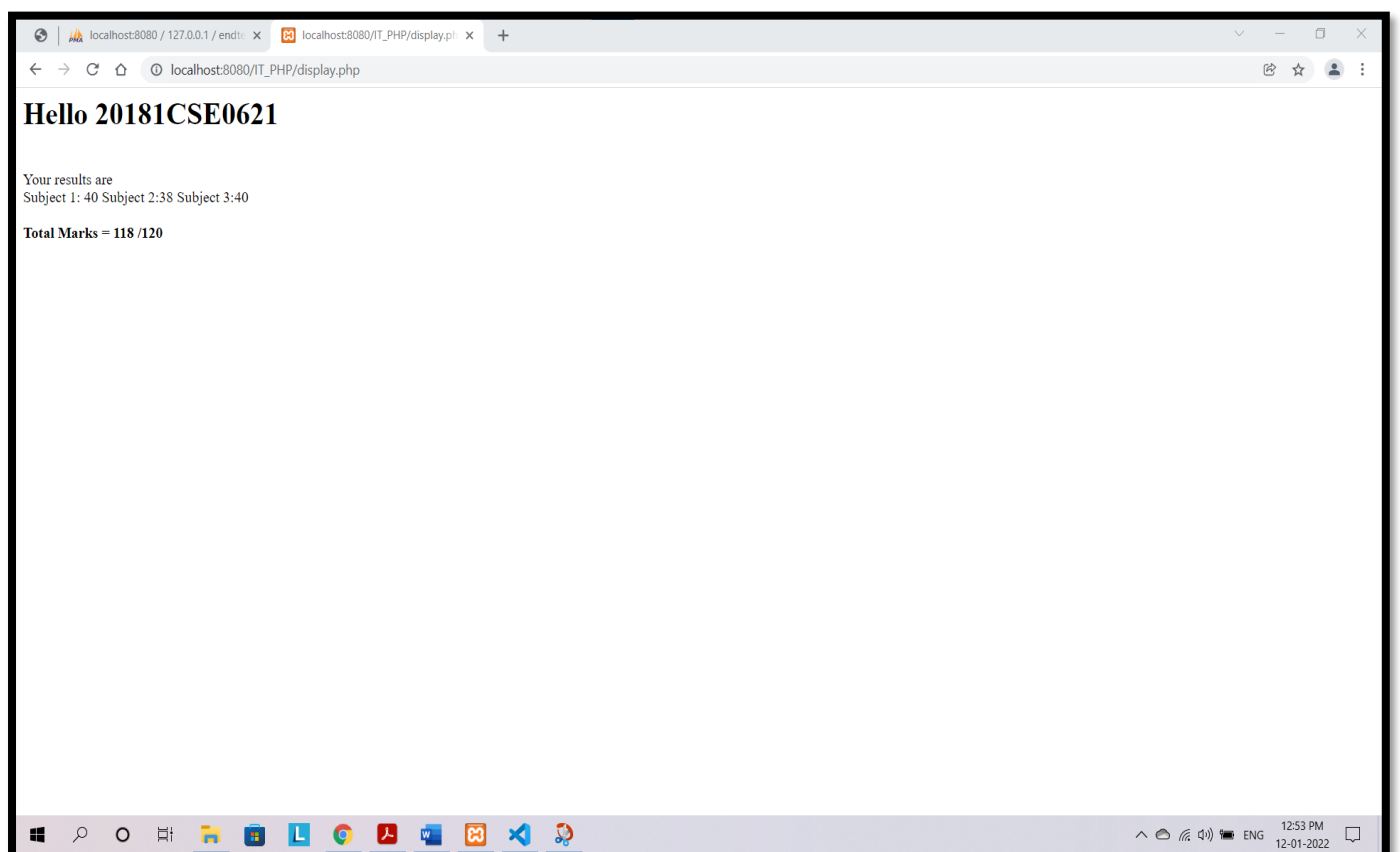


Welcome to our online marks Portal!

Enter your UID to display your marks

Enter your uid :

## TOTAL MARKS OUTPUT



Hello 20181CSE0621

Your results are  
Subject 1: 40 Subject 2:38 Subject 3:40

Total Marks = 118 /120

