

ANNAI WOMEN'S COLLEGE

PUNNAMCHATHRAM, KARUR - 639 136.

(Affiliated to Bharathidasan University)

DEPARTMENT OF COMPUTER SCIENCE



ANNAI

OLLEGE

OPEN SOURCE LAB

SEMESTER - IV

2021 – 2022.

ANNAI WOMEN'S COLLEGE

PUNNAMCHATHRAM, KARUR – 639 136.

DEPARTMENT OF COMPUTER SCIENCE

PRACTICAL

TITLE : OPEN SOURCE LAB

CODE : P16CS43P

This is to certify that the bonafide record of practical work done by

_____ *Register.No* _____

during the academic year 2021- 2022.

Lecturer -Incharge

Head of the Department

*Submitted for the practical examination held on _____ at the
centre ANNAI WOMEN'S COLLEGE, KARUR – 639 136 .*

Internal Examiner

External Examiner

OPEN

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LAB

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1.STUDENT MARK LIST

Mark.html:

```
<html>
<body><center>
<font size="22" font color="green" font style="Lucida Calligraphy">
STUDENT MARKLIST</font><br><br><br>
<form method="post" action="mark.php">
Name:<input type="text" name="name" size="10"><br><br>
Roll no:<input type="text" name="rno" size="10"><br><br>
Mark1:<input type="text" name="m1" size="10"><br><br>
Mark2:<input type="text" name="m2" size="10"><br><br>
Mark3:<input type="text" name="m3" size="10"><br><br>
Mark4:<input type="text" name="m4" size="10"><br><br>
Mark5:<input type="text" name="m5" size="10"><br><br>
<input type="Submit" value="Submit">
</form></center>
</body></html>
```

Mark.php:

```
<?php
$name=$_POST["name"];
$rno=$_POST["rno"];
$m1=$_POST["m1"];
$m2=$_POST["m2"];
$m3=$_POST["m3"];
$m4=$_POST["m4"];
```

```
$m5=$_POST["m5"];
$tot=$m1+$m2+$m3+$m4+$m5;
$avg=$tot/4;
if ($avg>=90)
{
$grade="O";
}
else if($avg>=75 and $avg<=89)
{
$grade="A";
}
else if($avg>=60 and $avg<=74)
{
$grade="B";
}
else
{
$grade="C";
}
?>
<html>
<body><center>
<font size="22" font color="green" font style="Lucida Calligraphy">
STUDENT MARKLIST</font><br><br><br>
<table border=3 align=center>
<tr><td>Name<td>
<?PHP
```

```
echo $name?>
```

```
</tr>
```

```
<tr><td>Rollno<td>
```

```
<?php
```

```
echo $rno?>
```

```
</tr>
```

```
<tr><td>Mark1<td>
```

```
<?php
```

```
echo $m1?>
```

```
</tr>
```

```
<tr><td>Mark2<td>
```

```
<?php
```

```
echo $m2?>
```

```
</tr>
```

```
<tr><td>Mark3<td>
```

```
<?php
```

```
echo $m3?>
```

```
</tr>
```

```
<tr><td>Mark4<td>
```

```
<?php
```

```
echo $m4?>
```

```
</tr>
```

```
<tr><td>Mark5<td>
```

```
<?php
```

```
echo $m5?>
```

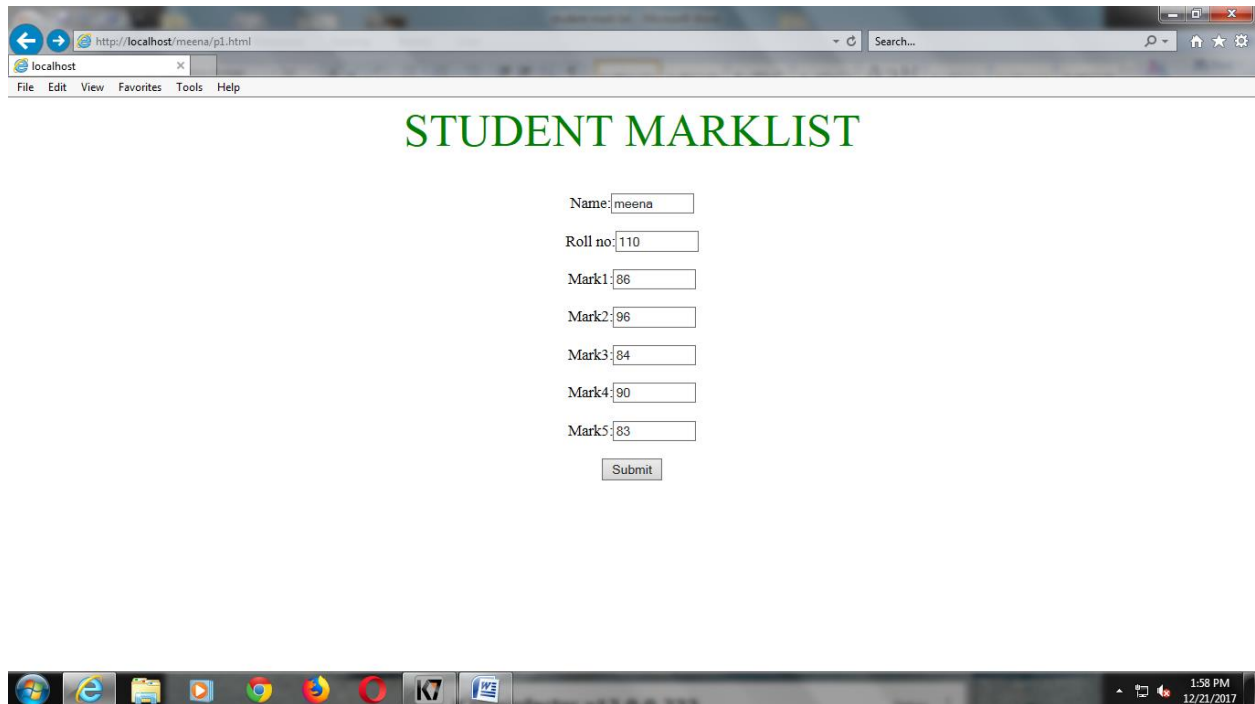
```
</tr>
```

```
<tr><td>Total<td>
```

```
<?php
echo $tot
?>
</tr>
<tr><td>Average<td>
<?php
echo $avg
?>
</tr>
<tr><td>grade<td>
<?php
echo $grade
?>
</tr>
</center>
</body>
</html>
```

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OUTPUT:



A screenshot of a web browser window displaying a form titled "STUDENT MARKLIST". The browser's address bar shows "http://localhost/meena/p1.html". The form contains the following fields and values:

Name:	meena
Roll no:	110
Mark1:	86
Mark2:	96
Mark3:	84
Mark4:	90
Mark5:	83

Below the fields is a "Submit" button. The Windows taskbar at the bottom shows the time as 1:58 PM on 12/21/2017.



A screenshot of a web browser window displaying a table titled "STUDENT MARKLIST". The browser's address bar shows "http://localhost/meena/mark.php". The table contains the following data:

Name	meena
Rollno	110
Mark1	86
Mark2	96
Mark3	84
Mark4	90
Mark5	83
Total	439
Average	87.8
grade	A

The Windows taskbar at the bottom shows the time as 1:58 PM on 12/21/2017.

2.SHOPPING CART

Shop.html:

```
<html>
<body><center>
<font size="22" font color="green" font style="Lucida Calligraphy">
SHOPPING CART</center><br>
<form action="shop.php" method="post">
<table border=2 align=center>
<tr>
<td>CODE</td>
<td>PRODUCT</td>
<td>QUANTITY</td>
</tr>
<tr>
<td>101</td>
<td>Computer</td>
<td><input type="text" name="t1" size=3"></td>
</tr>
<tr>
<td>102</td>
<td>Laptop</td>
<td><input type="text" name="t2" size=3"></td>
</tr>
<tr>
<td>103</td>
<td>Mobile</td>
```

```
<td><input type="text" name="t3" size=3></td>
</tr>
<tr>
<td>104</td>
<td>Tab</td>
<td><input type="text" name="t4" size=3></td>
</tr></table>
<center>
<input type="submit" value="submit">
<input type="reset" value="reset">
</center></form>
</body></html>
```

Shop.php:

```
<?php
$q1=$_POST["t1"];
$q2=$_POST["t2"];
$q3=$_POST["t3"];
$q4=$_POST["t4"];
$p1=$q1*25000;
$p2=$q2*30000;
$p3=$q3*10000;
$p4=$q4*15000;
$total=$p1+$p2+$p3+$p4;
?>
<html>
<body><center>
```

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```
<font size="22" font color="green" font style="Lucida Calligraphy">
```

```
SHOPPING CART </font><br><br><br>
```

```
<table border=3 align=center>
```

```
<tr>
```

```
<td>Code</td>
```

```
<td>Product</td>
```

```
<td>Price</td>
```

```
</tr>
```

```
<tr>
```

```
<td>101</td>
```

```
<td>Computer</td>
```

```
<td>
```

```
<?php
```

```
echo $p1;
```

```
?>
```

```
</td></tr>
```

```
<tr>
```

```
<td>102</td>
```

```
<td>Laptop</td>
```

```
<td>
```

```
<?php
```

```
echo $p2;
```

```
?>
```

```
</td></tr>
```

```
<tr>
```

```
<td>103</td>
```

```
<td>Mobile</td>
```

```
<td>
<?php
echo $p3;
?>
</td></tr>

<tr>
<td>104</td>
<td>Tab</td>
<td>
<?php
echo $p4;
?>
</td></tr>
<tr>
<td></td>
<td>total</td>
<td>
<?php
echo $total;
?>
</td></tr>
</table></center>
</body></html>
```

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OUTPUT:

http://localhost/meena/p2.html

SHOPPING CART

CODE	PRODUCT	QUANTITY
101	Computer	2
102	Laptop	3
103	Mobile	1
104	Tab	4

submit Reset

2:10 PM
12/21/2017

http://localhost/meena/shop.php

SHOPPING CART

Code	Product	Price
101	Computer	50000
102	Laptop	90000
103	Mobile	10000
104	Tab	60000
	total	210000

2:10 PM
12/21/2017

3.ACCESSING DATA IN MYSQL

Data.php:

```
<?php
$con=mysql_connect("localhost","root","");
mysql_select_db("prg3");
$result=mysql_query("select * from emp");
while($row=mysql_fetch_array($result))
{
echo"<center>";
echo"NAME:". $row['name'];
echo"<br>";
echo"AGE:". $row['age'];
echo"<br>";
echo"</center>";
}
mysql_close($con);
?>
```

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Database:

```
mysql> create database prg3;
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> use prg3;
```

```
Database changed
```

```
mysql> create table emp(name varchar(20),age int(5));
```

```
Query OK, 0 rows affected (0.01 sec)
```

```
mysql>insert into emp values('meena',23),('raji',21),('vani',22);
```

```
Query OK, 3 rows affected (0.00 sec)
```

```
Records: 3 Duplicates: 0 Warnings: 0
```

```
mysql> select * from emp;
```

```
+-----+-----+
```

```
| name  | age  |
```

```
+-----+-----+
```

```
| meena | 23  |
```

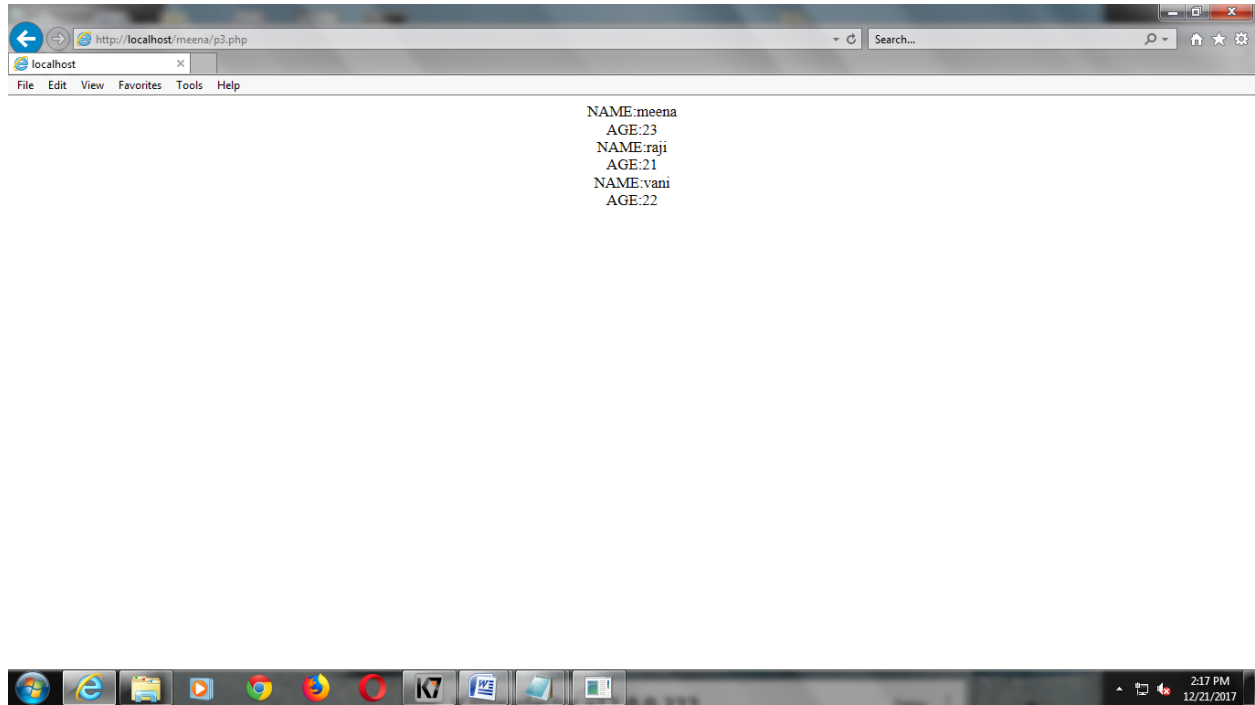
```
| raji  | 21  |
```

```
| vani  | 22  |
```

```
+-----+-----+
```

```
3 rows in set (0.00 sec)
```


OUTPUT:



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4.CREATING DATABASE USING INTERFACE

Interface.php:

```
<?php
interface call
{
public function conn();
public function create_database();
public function create_table();
}
class product implements call
{
public function conn()
{
$con=mysql_connect("localhost","root","");
}
public function create_database()
{
mysql_query("create database student");
echo"<br>database created";
mysql_select_db("student");
}
public function create_table()
{
mysql_query("create table mark(name varchar(15),result varchar(6))");
echo"<br>table created";
mysql_query("insert into mark(name,result) values('raji','pass')");
```

```
mysql_query("insert into mark(name,result) values('vani','pass')");
mysql_query("insert into mark(name,result) values('meena','pass')");
mysql_query("insert into mark(name,result) values('abi','pass')");
echo"<br>values are inserted";

}

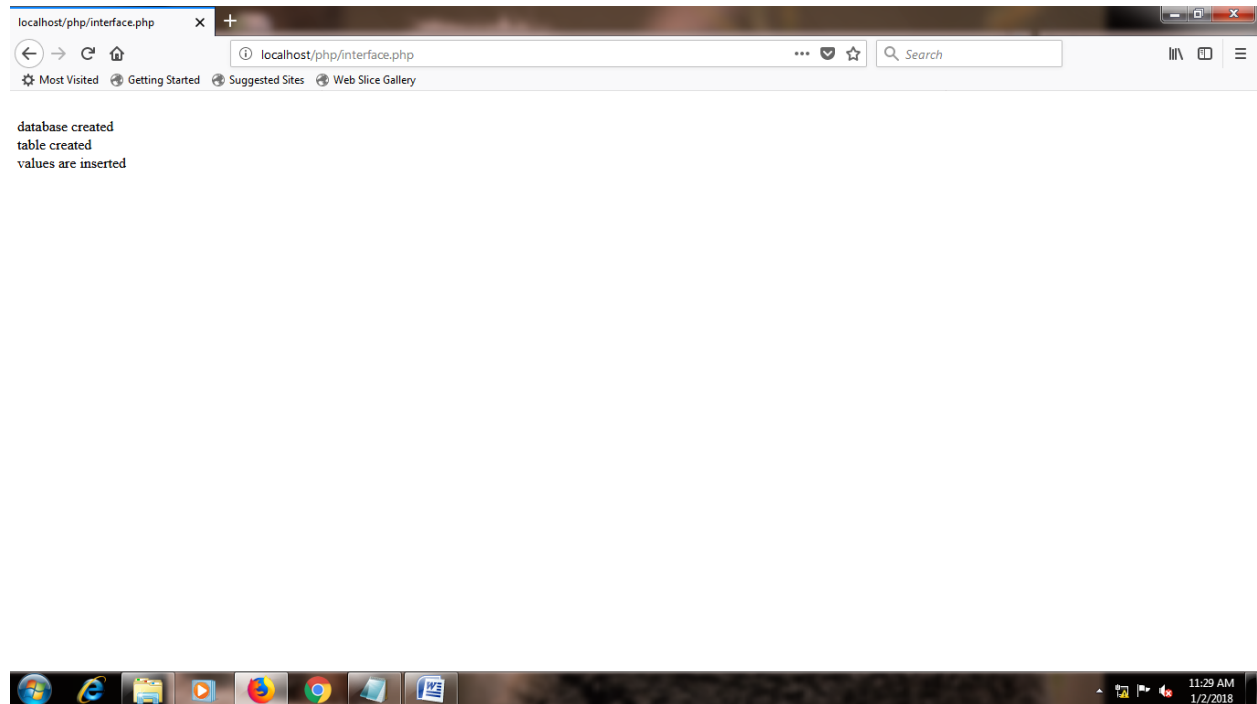
}

$ob=new product();
$ob->conn();
$ob->create_database();
$ob->create_table();

?>
```

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OUTPUT:



```
mysql> use student;
```

```
Database changed
```

```
mysql> select * from mark;
```

```
+-----+-----+
```

```
| name   | result |
```

```
+-----+-----+
```

```
| raji   | pass   |
```

```
| vani   | pass   |
```

```
| meena  | pass   |
```

```
| ammu   | pass   |
```

```
+-----+-----+
```

```
4 rows in set (0.00 sec)
```

4.A CREATE DATABASE USING CLASSES

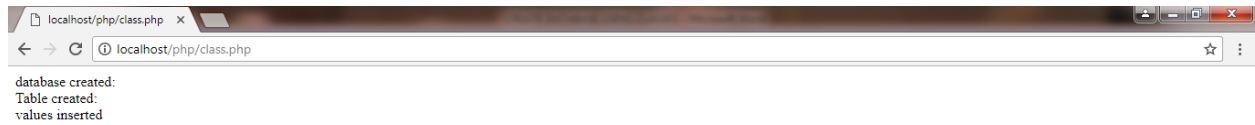
Classes.php

```
<?php
class stu_info
{
function conn()
{
$con=mysql_connect("localhost","root","");
mysql_query("create database class");
echo "database created:";
echo"<br>";
mysql_select_db("class");
}
function create_table()
{
mysql_query("create table stud(name varchar(10),age int(10))");
echo"Table created:";
echo"<br>";
}
function insert_values()
{
mysql_query("insert into stud(name,age) values('vani',22)");
mysql_query("insert into stud(name,age) values('meena',23)");
mysql_query("insert into stud(name,age) values('raji',21)");
mysql_query("insert into stud(name,age) values('ammu',24)");
echo"values inserted";
```

```
echo"<br>";  
}  
}  
$ob=new stu_info();  
$ob->conn();  
$ob->create_table();  
$ob->insert_values();  
?>
```

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OUTPUT:



```
mysql> use class;
```

```
Database changed
```

```
mysql> select * from stud;
```

```
+-----+-----+
```

```
| name  | age |
```

```
+-----+-----+
```

```
| vani   | 22 |
```

```
| meena  | 23 |
```

```
| raji   | 21 |
```

```
| ammu   | 24 |
```

```
+-----+-----+
```

```
4 rows in set (0.00 sec)
```

4.B UPLOAD A FILE

Upload.html

```
<html>
<body>
<form action="upload.php" method="post" enctype="multipart/form-data">
Select image to upload:
<input type="file" name="fileToUpload" id="fileToUpload">
<input type="submit" value="Upload Image" name="submit">
</form>
</body>
</html>
```

Upload.php

```
<?php
$target_dir = "uploads/";

$target_file = $target_dir . basename($_FILES["fileToUpload"]["name"]);

$uploadOk = 1;

$imageFileType = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));

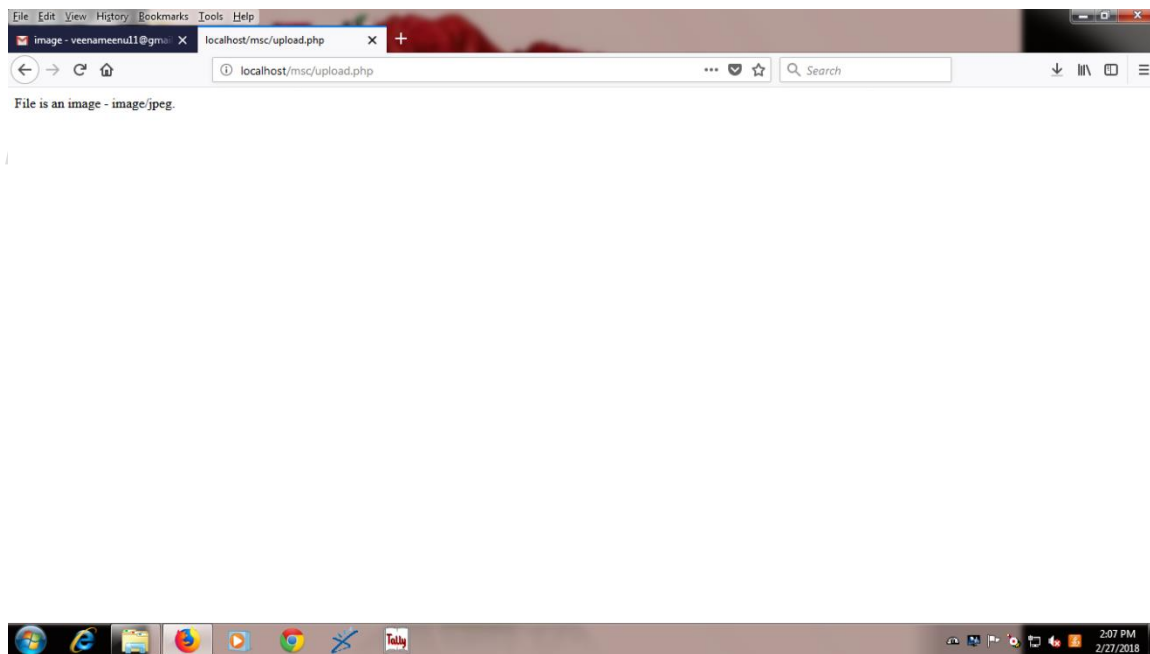
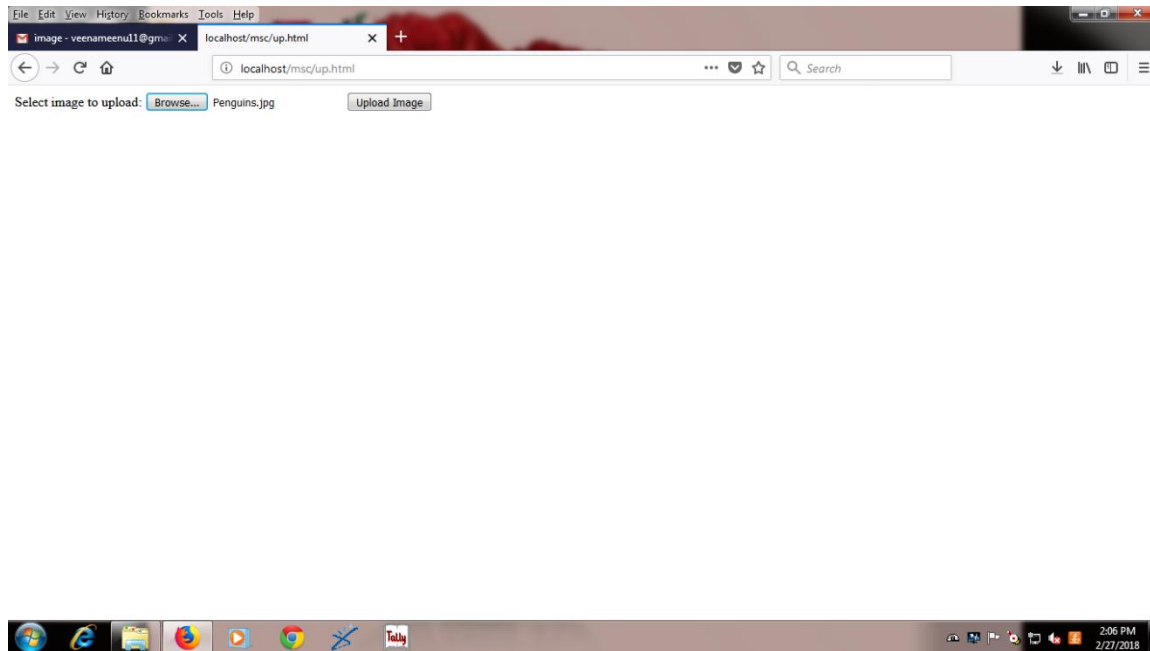
// Check if image file is a actual image or fake image
if(isset($_POST["submit"]))
{
    $check = getimagesize($_FILES["fileToUpload"]["tmp_name"]);
    if($check !== false)
    {
        echo "File is an image - " . $check["mime"] . ".";
        $uploadOk = 1;
    }
}
```



```
}  
else  
{  
echo "File is not an image."  
$uploadOk = 0;  
}  
}  
?>
```

ANNAI WOMEN'S COLLEGE

OUTPUT:



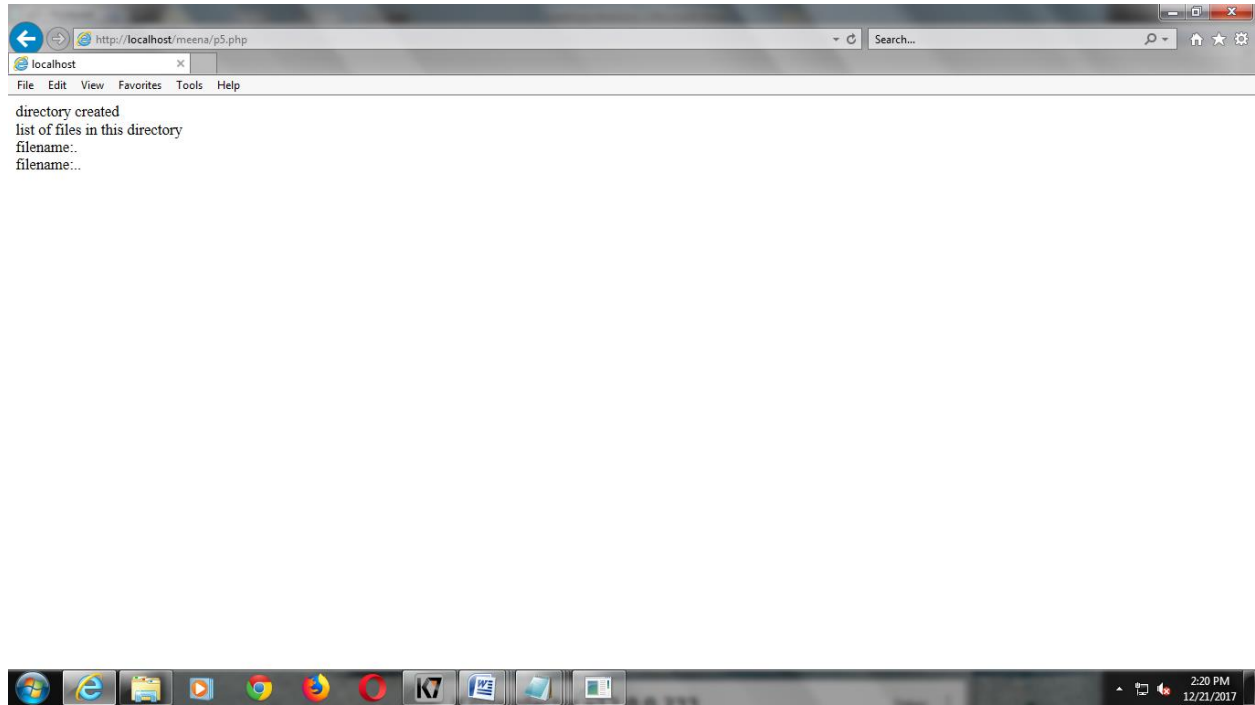
5.CREATING A DIRECTORY & READ CONTENTS

Read.php:

```
<?php
mkdir("test");
echo"directory created";
echo"<br>";
$dir=opendir("test");
echo"list of files in this directory";
echo"<br>";
while (($file=readdir($dir))!==false)
{
echo"filename:". $file;
echo"<br>";
}
closedir($dir);
?>
```

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OUTPUT:



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6.DETAILS OF USER SESSION

Home.php

```
<html>  
  
<form method="post" action="submit.php"><br>  
User Name:<input type="text" name="name" />  
Password:<input type="password" name="pwd" /><br>  
<input type="submit" value="submit" />  
  
</form></html>
```

Submit.php

```
<?php  
session_start();  
  
$name=$_POST['name'];  
$pwd=$_POST['pwd'];  
$_SESSION['name']=$name;  
$_SESSION['pwd']=$pwd;  
  
$flag=1;  
  
$con=mysql_connect("localhost","root","");  
mysql_select_db("prg42");  
$result=mysql_query("select * from user");  
while($row=mysql_fetch_array($result))  
{ $n=$row['name'];  
$p=$row['pwd'];  
if($name==$n && $pwd==$p)  
{ $flag=0;  
}}  
}}
```

```
if($flag==0)
header("Location:success.php");
else
header("Location:return.php");
?>
```

Success.php

```
<?php
session_start();
$name=$_SESSION['name'];
$pwd=$_SESSION['pwd'];
?>
<html>
You Have Successfully Entered<br>
<?php
echo "User Name:=".$name;
echo "<br>Password:=".$pwd;
?></html>
```

Return.php

```
<html>
<body>
You are entered wrong password or username<br>
<a href="home.php">try again</a>
</body>
</html>
```

Database:

```
mysql> create database prg42;
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> use prg42;
```

```
Database changed
```

```
mysql> create table user(name varchar(20),pwd varchar(20));
```

```
Query OK, 0 rows affected (0.01 sec)
```

```
mysql>insert into user values('meena','meena60'),('raji','raji62'),('vani','vani64');
```

```
Query OK, 3 rows affected (0.00 sec)
```

```
Records: 3 Duplicates: 0 Warnings: 0
```

```
mysql> select * from emp;
```

```
+-----+-----+
```

```
| name  | pwd  |
```

```
+-----+-----+
```

```
| meena | meena60 |
```

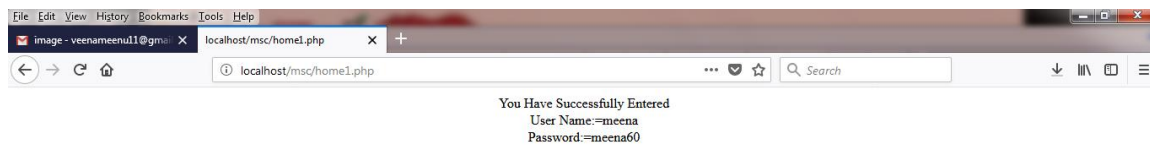
```
| raji  | raji62  |
```

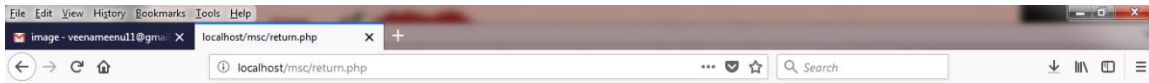
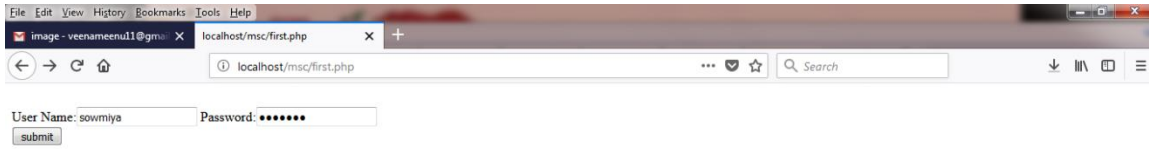
```
| vani  | vani64  |
```

```
+-----+-----+
```

```
3 rows in set (0.00 sec)
```

OUTPUT:





GE

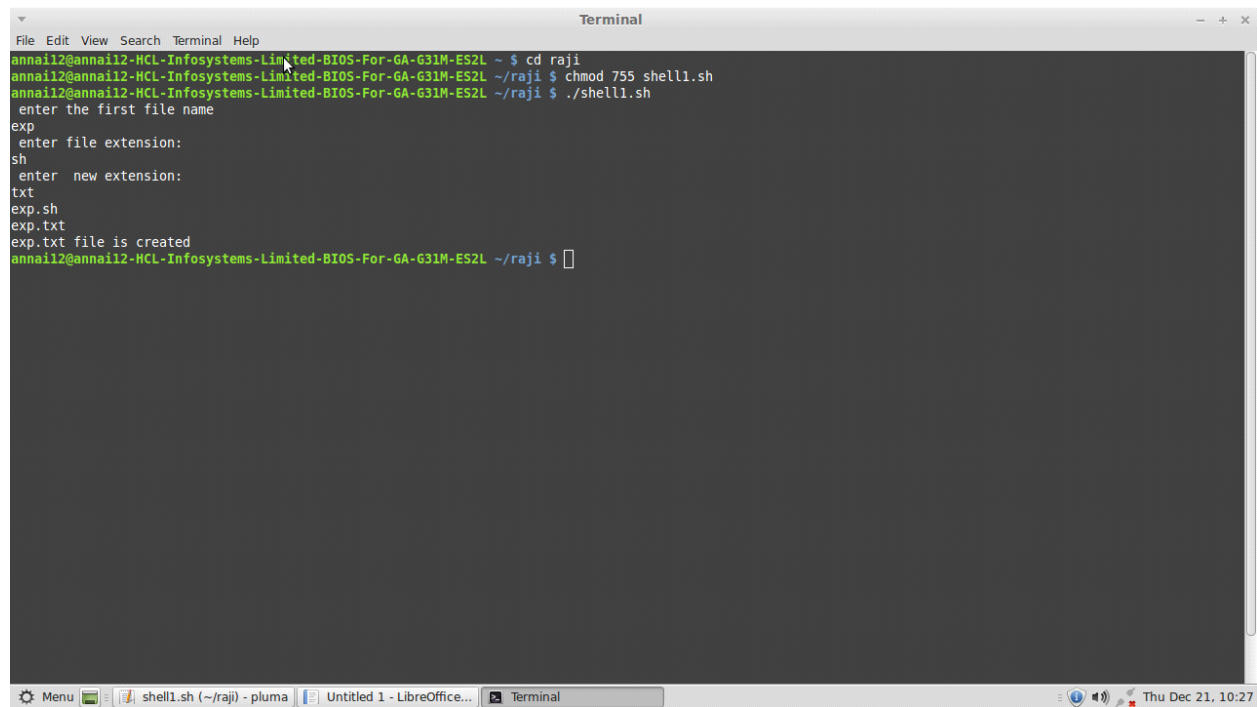
7.SHELL PROGRAM USING LINUX

Shell.sh:

```
clear
echo " enter the first file name "
read f1
echo " enter file extension: "
read e1
if [ -f$f1.$e1 ]
then
echo " enter new extension: "
read e2
echo ${f1}.$e1
echo ${f1}.$e2
#cat ${f1}.$e1>${f1}.$e2
echo $f1"."$e2 "file is created"
else
echo "file is not exist"
fi
```

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OUTPUT:

A terminal window titled "Terminal" with a menu bar (File, Edit, View, Search, Terminal, Help) and window control buttons. The terminal shows a user named annai12 at a machine named annai12-HCL-Infosystems-Limited-BIOS-For-GA-G31M-ES2L. The user runs 'cd raji', then 'chmod 755 shell1.sh', and finally './shell1.sh'. The script prompts for a file name ('exp'), extension ('sh'), and a new extension ('txt'), then creates 'exp.txt' and reports 'exp.txt file is created'. The terminal ends with the prompt 'annai12@annai12-HCL-Infosystems-Limited-BIOS-For-GA-G31M-ES2L ~/raji \$'. The window's taskbar at the bottom shows 'Menu', 'shell1.sh (~/raji) - pluma', 'Untitled 1 - LibreOffice...', and 'Terminal', along with system icons and the date 'Thu Dec 21, 10:27'.

```
annai12@annai12-HCL-Infosystems-Limited-BIOS-For-GA-G31M-ES2L ~ $ cd raji
annai12@annai12-HCL-Infosystems-Limited-BIOS-For-GA-G31M-ES2L ~/raji $ chmod 755 shell1.sh
annai12@annai12-HCL-Infosystems-Limited-BIOS-For-GA-G31M-ES2L ~/raji $ ./shell1.sh
enter the first file name
exp
enter file extension:
sh
enter new extension:
txt
exp.sh
exp.txt
exp.txt file is created
annai12@annai12-HCL-Infosystems-Limited-BIOS-For-GA-G31M-ES2L ~/raji $
```

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8.TABLE MANIPULATION USING MYSQL

```
mysql> create database employe;
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> use employe;
```

```
Database changed
```

```
mysql> create table emp(empno int(5),empname varchar(20),designation  
varchar(20),salary int(5));
```

```
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> insert into emp  
values(101,'ram','manager',50000),(102,'abi','asstmanager',40000),(103,'jeeva','acc  
ountant',35000),(104,'suji','clerk',25000);
```

```
Query OK, 4 row affected (0.00 sec)
```

```
mysql> select * from emp;
```

```
+-----+-----+-----+-----+  
| empno | empname | designation | salary |  
+-----+-----+-----+-----+  
| 101 | ram      | manager     | 50000 |  
| 102 | abi      | asstmanager | 40000 |  
| 103 | jeeva    | accountant  | 35000 |  
| 104 | suji     | clerk       | 25000 |  
+-----+-----+-----+-----+
```

```
4 rows in set (0.00 sec)
```

```
mysql> select empname from emp order by empname;
```

```
+-----+
```

```
| empname |
```

```
+-----+
```

```
| abi     |
```

```
| jeeva   |
```

```
| ram     |
```

```
| suji    |
```

```
+-----+
```

```
4 rows in set (0.00 sec)
```

```
mysql> select * from emp where empname='ram';
```

```
+-----+-----+-----+-----+
```

```
| empno | empname | designation | salary |
```

```
+-----+-----+-----+-----+
```

```
| 101   | ram     | manager    | 50000 |
```

```
+-----+-----+-----+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> update emp set salary=30000 where designation='clerk';
```

```
Query OK, 1 row affected (0.00 sec)
```

```
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> select * from emp;
```

```
+-----+-----+-----+-----+
| empno | empname | designation | salary |
+-----+-----+-----+-----+
| 101 | ram      | manager     | 50000 |
| 102 | abi      | asstmanager | 40000 |
| 103 | jeeva    | accountant  | 35000 |
| 104 | suji     | clerk       | 30000 |
+-----+-----+-----+-----+
```

```
4 rows in set (0.00 sec)
```

```
mysql> delete from emp where salary=30000;
```

```
Query OK, 1 row affected (0.00 sec)
```

```
+-----+-----+-----+-----+
| empno | empname | designation | salary |
+-----+-----+-----+-----+
| 101 | ram      | manager     | 50000 |
| 102 | abi      | asstmanager | 40000 |
| 103 | jeeva    | accountant  | 35000 |
+-----+-----+-----+-----+
```

```
mysql> select * from emp;
```

```
3 rows in set (0.00 sec)
```