CYCLE 3(PHP)

RESULTS AND OBSERVATIONS:

ODD OR EVEN

Please enter number: [4   ] [submit]

ODD OR EVEN

PROGRAM NO: 12   **DATE: 3-1-22**

AIM:

Write a program to check and print whether a given number is odd or even.

THEORETICAL SUPPORT:

The GET method sends the encoded user information appended to the page request. The page and the encoded information are separated by the **?** character.

CODE:

```
<html>
   <head><b><h1><u>ODD OR EVEN</u></h1></b></head>
   <body>
   <form action="oddeven.php" method="GET">
    Please enter number:<input type="text" name="txt">
   <input type="submit" name="submit" value="submit">
   </form>
   </body>
   </html>
 <?php
   echo "<b><u>NUMBER IS ODD OR EVEN</u></b><br>";
   $n=$_GET['txt'];
   if($n%2==0)
   echo "$n is even";
   else
   echo "$n is odd";
   ?>
```

RESULTS AND OBSERVATION

SUM OF DIGITS

Please enter number: 23   [submit]

SUM OF DIGITS A NUMBER IS
Sum of digits of the number 23 is 5

SUM OF DIGITS

PROGRAM NO: 13

DATE: 5-1-22

AIM:

Write a program to find the sum of digits of a given number.

THEORETICAL SUPPORT:

A web form when the method is set to GET method, it submits the values through URL. So we can use one form to generate an URL with variables and data by taking inputs from the users. The form will send the data to a page within the site or outside the site by formatting a query string.

CODE:

```
<html>
  <head><b><h1><u>SUM OF DIGITS</u></h1></b></head>
  <body>
  <form action="sumdigit.php" method="GET">
   Please enter number:<input type="text" name="txt">
  <input type="submit" name="submit" value="submit">
  </form>
  </body>
  </html>


  <?php
  echo "<b><u>SUM OF DIGITS A NUMBER IS </u></b><br> ";
  $n=$_GET['txt'];
  $s=0;
  $a=$n;
  while($n>0)
  {
  $r=$n%10;
  $s=$s+$r;
  $n=$n/10;
  }
  echo "Sum of digits of the number $a is $s";
  ?>
```

RESULTS AND OBSERVATIONS:

FIBONACCI SERIES

Please enter the limit: 4   [submit]

FIBONACCI SERIES IS...0112

FIBONACCI SERIES

PROGRAM NO: 14   **DATE: 11-1-22**

AIM:

Write a program to print Fibonacci series up to a given number

THEORETICAL SUPPORT:

The Fibonacci sequence is a series of numbers in which each number is the sum of the two that precede it. Starting at 0 and 1, the sequence looks like this: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, and so on forever

CODE:

```html
<html>
  <head><b><h1><u>FIBONACCI SERIES</u></h1></b></head>
  <body>
  <form action="fibonacci.php" method="GET">
   Please enter the limit:<input type="text" name="txt">
  <input type="submit" name="submit" value="submit">
  </form>
  </body></html>


  <?php
  $n=$_GET['txt'];
  echo"<b>FIBONACCI SERIES IS...</b>";
  $a=0;
  $b=1;
  echo $a;
  echo $b;
  for($i=0;$i<$n-2;$i++)
  {
  $c=$a+$b;
  echo $c;
  $a=$b;
  $b=$c;
  }?>
```

RESULTS AND OBSERVATIONS:

REGISTRATION FORM

First name:	samuel			
Last name:	biju			
Password:	••••			
Age:	24			
Address:	kunnumpuram			
Gender:	◉ Male	○ Female		
Languages known:	☑ PHP	☑ C	☑ CPP	☐ JAVA
submit				

REGISTRATION FORM

Name: samuel biju
Age: 24
Address:kunnumpuram
Gender:Male
Languages Known:
PHP
C
CPP

REGISTRATION FORM

AIM:

Write a script to generate a registration form

THEORETICAL SUPPORT:

PHP scripts can be created using any basic text editor or HTML editing software tool. Each PHP file must be saved with a .php file extension in order to be recognized as a functioning PHP script. When the Apache server has the appropriate settings, PHP code can be recognized also in .html files.

CODE:

```
<html>
  <head><center><b><h1><u>REGISTRATION FORM</u></h1></b></center></head>
  <body>
  <form action="register.php" method="POST">
  <center>
  <table border="2" cellspacing="10" cellpadding="10">
  <tr>
  <td>First name:</td>
  <td><input type="text" name="txt1"></td>
  </tr>
  <tr>
  <td>Last name:</td>
  <td><input type="text" name="txt2"></td>
  </tr><tr>
  <td>Password:</td>
  <td><input type="password" name="pwd"></td>
  </tr>
  <tr>
  <td>Age:</td>
  <td><input type="text" name="txt3"></td>
  </tr>
  <tr>
  <td>Address:</td>
```

```html
 <td><input type="text" name="txt4"></td>
</tr><tr>
<td>Gender:</td>
<td><input type="radio" name="rd" value="male">Male</td>
<td><input type="radio" name="rd" value="female">Female</td>
</tr><tr>
<td>Languages known:</td>
<td><input type="checkbox" name="chk[]" value="PHP">PHP</td>
<td><input type="checkbox" name="chk[]" value="C">C</td>
<td><input type="checkbox" name="chk[]" value="CPP">CPP</td>
<td><input type="checkbox" name="chk[]" value="JAVA">JAVA</td></tr>
<center><td rowspan="2"><input type="submit" name="submit" value="submit"></td></center>
</table>
</center>
</form>
</body>
</html>
<?php
echo "<b><u><font size=5>REGISTRATION FORM</font></u></b><br>";
$fname=$_POST['txt1'];
$lname=$_POST['txt2'];
$age=$_POST['txt3'];
$addr=$_POST['txt4'];
echo "Name: $fname $lname<br>";
echo "Age: $age<br>";
echo "Address:$addr<br>";
$r=$_POST['rd'];
if($r==male)
echo "Gender:Male<br>";
else
echo "Gender:Female<br>";
echo"Languages Known:<br>";
foreach($_POST['chk'] as $selected)
{
echo $selected."<br>";
}?>
```

RESULTS AND OBSERVATIONS:

Bill

Usage(unit)

| 105 |

Amount

| 378 |

view bill

ELECTRICITY BILL

PROGRAM NO: 16   **DATE: 26-1-22**

AIM:

Compose Electricity bill from user input based on a given tariff.

THEORETICAL SUPPORT:

The isset() function checks whether a variable is set, which means that it has to be declared and is not NULL.

This function returns true if the variable exists and is not NULL, otherwise it   returns false

CODE:

```php
<?php
  session_start();
  $amount=0;
  $usg="";
  $dt="";
  $temp="";
  if (isset($_POST['view_bill']))
   {
  $usg=$_POST['usage'];
  if($usg<=60)
  {
      $amount=$amount+$usg*3;
  }
  else if($usg>60 && $usg<=160)
  {
      $amount=60*3;
      $temp=$usg-60;
      $amount=$amount+$temp*4.40;
  }
  else if($usg>160 && $usg<=260)
  {
      $amount=60*3+100*4.40;
      $temp=$usg-160;
```

```php
      $amount=$amount+$temp*5.20;
    }
    else
    {
    $amount=60*3+100*4.40+100*5.20;
    $temp=$usg-260;
    $amount=$amount+$temp*6.60;
    }}
    ?>
```
```html
    <!DOCTYPE html>
<html>
    <head>
     <title>electricty</title>
     <link rel="stylesheet" type="text/css" href="style.css">
    </head>
    <body>
     <div class="header">
         <h2>Bill</h2></div>
< method="post" action="">
         <div class="input-group">
                <label>Usage(unit)</label>
                <input type="text" name="usage" value="<?php echo $usg ?>" required>
         </div>
         <div class="input-group">
                <label>Amount</label>
                <input type="text" name="amount" value="<?php echo $amount ?>">
         </div>
         <div class="input-group">
                <input type="submit" class="btn" name="view_bill" style="margin-left: 10PX;" value="view
         bill">
         </div>
     </form>
    </body>
    </html>
```

RESULTS AND OBSERVATIONS:

LOGIN

UserName	user1
Password	•••••••
	Submit

WELCOME user1. Click here to Logout.

LOGIN FORM

AIM:

create login form using database.

THEORETICAL SUPPORT:

MySQL is a relational database management system based on the Structured Query Language,which is the popular language for accessing and managing the records in the database.

CODE:

```php
<?php
   ob_start();
   session_start();
   ?>
   <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
      "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
   <html xmlns="http://www.w3.org/1999/xhtml">
   <head>
   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
   <title>Untitled Document</title>
   </head>
   <body>
   <center>
   <h1><b><u>LOGIN</u></b></h1>
   <form id="form1" name="form1" method="get" action="">
    <table width="200" border="1">
     <tr>
      <td>UserName</td>
      <td><input name="txt1" type="text" id="txt1" /></td>
     </tr>
     <tr>
      <td>Password</td>
      <td><input name="txt2" type="password" id="txt2" /></td>
```

```
    </tr>
      <tr>
      <td colspan="2" align="center"><input type="submit" name="Submit" value="Submit" /></td>
      </tr>
       </table>
    </form>
    </body>
    <?php
    if(isset($_GET['Submit']))
    {
    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpass = '';
    $db='test';
    $t1=$_GET['txt1'];
    $t2=$_GET['txt2'];
    $con=new mysqli($dbhost,$dbuser,$dbpass,$db);
    $query="select uname,password from login where uname='$t1' and password='$t2'";
    $result=$con->query($query);
    if($rw=$result->fetch_row())
{
    $_SESSION["username"]=$rw[0];
    header("location:session2.php");
    }
    else
    {
    echo "Invalid";
    include_once "session1.php";
    }
    }
    ?>
    </html>


    <?php
    session_start();
    ?>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Untitled Document</title>
</head>
<body>
<form id="form1" name="form1" method="get" action="">
</form>


</body>
<?php
$name=$_SESSION['username'];
echo "WELCOME ".$name;
?>. Click here to <a href="session1.php" title="Logout">Logout.
</html>
```

RESULTS AND OBSERVATIONS:

STUDENT DETAILS

2

saju

45

INSERT

STUDENT DETAILS

Roll Number	Name	Mark
2	saju	45

STORING AND RETRIEVING DATA

PROGRAM NO: 18   **DATE: 20-2-22**

AIM:

write a php program to accept student details and store it into database, also display   the   details
from database

THEORETICAL SUPPORT:

The INSERT INTO statement is used to insert new rows in a database table. In SQL, 'select' queries are used
to retrieve one or more records from a table/database, and can   also support various condition clauses
depending on the needs of the user

CODE:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Student Input</title>
</head>
<style type="text/css">
    body{
            font-family: sans-serif;
    }
    .box{
            position: absolute;
            top: 50%;
            left: 50%;
            transform: translate(-50%,-50%);
            width: 300px;
            height: 350px;
            background-color:#f3f3f3;
            border-radius: 15px;
            text-align: center;
    }
    input{
```

```css
            width: 200px;
            height: 40px;
            border: solid 1px black;
    }
    .insert{
            width: 100px;
            height: 40px;
            border: none;
            background-color: red;
            color: white;
    }
</style>
```
```html
<body>
<center>
<div class="box">
    <form action="studentinput.php" method="post">
            <h2>STUDENT DETAILS</h2>

            <input type="number" name="rollno" required autocomplete="off" placeholder="Roll
    Number"><br><br>
            <input type="text" name="name" required autocomplete="off"
    placeholder="Name"><br><br>
            <input type="number" name="mark" required autocomplete="off"
    placeholder="Mark"><br><br>
            <input type="submit" name="submit" value="INSERT" class="insert">
    </form>
</div>
</center>
</body>
</html>
```
```php
<?php
$conn=mysqli_connect("localhost","root","","test")or die("unable to connect!!");
if(!empty($_POST))
{
   $name=$_POST['name'];
   $rollno=$_POST['rollno'];
```

```php
    $mark=$_POST['mark'];
     $q="insert into studentdetails(rollno,name,mark)values('$rollno','$name','$mark')";
    if(mysqli_query($conn,$q)==true)
    {
      header("location:studentdetails.php");
    }
 }
?>
```

```html
<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<style type="text/css">
    body{
            font-family: sans-serif;
    }


    table{
            background-color:#f3f3f3;
            width: 50%;
            text-align: center;


            border-radius: 15px;
    }


    th{
            background-color: red;
            color: white;
            border-radius: 5px;
            height: 30px;
    }
    td{
            background-color: white;
            color: black;
```

```
            border-radius: 5px;
            height: 30px;
        }
</style>
<body>
<center>
    <h2>STUDENT DETAILS</h2>
    <table  align="center">
            <tr>
                    <th>Roll Number</th>
                    <th>Name</th>
                    <th>Mark</th>
            </tr>
            <?php
            $conn=mysqli_connect("localhost","root","","test")or die("unable to connect!!");
            $select = "select * from studentdetails ORDER BY `rollno`";
            $result =mysqli_query($conn,$select);
            while($row = mysqli_fetch_assoc($result)){
                    ?>

            <tr>
                    <td><?php echo $row["rollno"]; ?></td>
                    <td><?php echo $row["name"]; ?></td>
                    <td><?php echo $row["mark"]; ?></td>
            </tr>
            <?php
            }
            ?>
    </table>
</center>
</body>
</html>
```