



Hello world - first PHP program

Hello.php



Var/www

htdocs

```
<html>
<body>
<?php
    echo "Hello World" ;
?>
</body>
</html>
```

Output: Hello world

Show how PHP can be put wherever it is needed

How to read HTML form data

Communication between HTML and PHP




WEB PAGE FOR PHP or reading HTML form data

Client side program

Html form

```
<input type="text" name="txtusn", >
```

```
<form action="getresult.php" method="get">  
USN: <input type="text" name="txtusn" />  
<input type="submit" value="Submit" />
```

 Visvesvaraya Technological University Santhibastawad Road, Machhe Belgaum - 590 014, INDIA	
USN	<input type="text" value="1PE08IS043"/>
<input type="button" value="GET RESULT"/>	

```
<html>  
<body>  
<?php  
$usn=$_GET["txtusn"];  
Print "$usn";  
?>
```

Output is 1PE08IS043

Server side program

PHP and MY SQL

3 step process

1. Create connection to database using `mysql_connect()` method.


```
$con = mysqli_connect("localhost","root","",pes);  
if (!$con)  
    die("Error: " . mysqli_connect_error());
```

2. Process the database or query the database using `mysqli_query()`

```
$sql = "insert into feedback(phno,msg) values ('123', 'good')";  
if (mysqli_query($con, $sql))  
    echo "Inserted successfully";  
else  
    echo "Error:".mysqli_error($con);
```

3. Close the connection using `mysqli_close()`;

```
mysqli_close($con);
```



```
<?php
    $con = mysqli_connect("localhost","root","",pes);

    if (!$con)
        die("Error: " . mysqli_connect_error());

    $no=$_REQUEST['txtphno'];
    $msg=$_REQUEST['txtmsg'];
    $sql = "insert into feedback(phno,msg) values('$no', '$msg')";

    if (mysqli_query($con, $sql))
        echo "Inserted successfully";
    else
        echo "Error:".mysqli_error($con);

    mysqli_close($con);

?>
```

**Read Data from a web page and
insert into database**

PHP and MY SQL: Selecting data from a table

```
<?php

$con = mysqli_connect("localhost","root","",test);

if (!$con)

die("Error: " . mysqli_connect_error());

$sql = "select srn,name,marks from student";

//$sql ="select srn,name,marks from student order by marks desc limit 10";

$result = $con->query($sql);

if (!$result)

die("Error in sql query");

while($row = $result->fetch_assoc())

print $row['srn'].$row['name']. "<br>";

$con->close();

?>
```

Searching for a record

```
<?php
$con = mysqli_connect("localhost","root","","test");
if (!$con)
die("Error: " . mysqli_connect_error());
$regno=$_REQUEST['txtsrn'];
$sql = "select srn,name,marks from student where srn='$regno'";
// $sql = "select srn,name,marks from student order by marks desc limit 10";
$result = $con->query($sql);
if (!$result)
die("Error in sql query");
while($row = $result->fetch_assoc())
{
    echo $row['srn'].$row['name']. "<br>";
}
$con->close();
?>
```


Selecting data

```
<?php
$con = mysqli_connect("localhost","root","","test");
if (!$con)
    die("Error: " . mysqli_connect_error());

$sql = "select srn,name,marks from student";
// $sql = "select srn,name,marks from student order by marks desc limit 10";
$result = $con->query($sql);
if (!$result)
    die("Error in sql query");
$total=0;
$avg=0;
$cnt=0;
while($row = $result->fetch_assoc())
{
    echo $row['srn'].$row['name']. "<br>";
    $total=$total+$row['marks'];
    $cnt++;
}

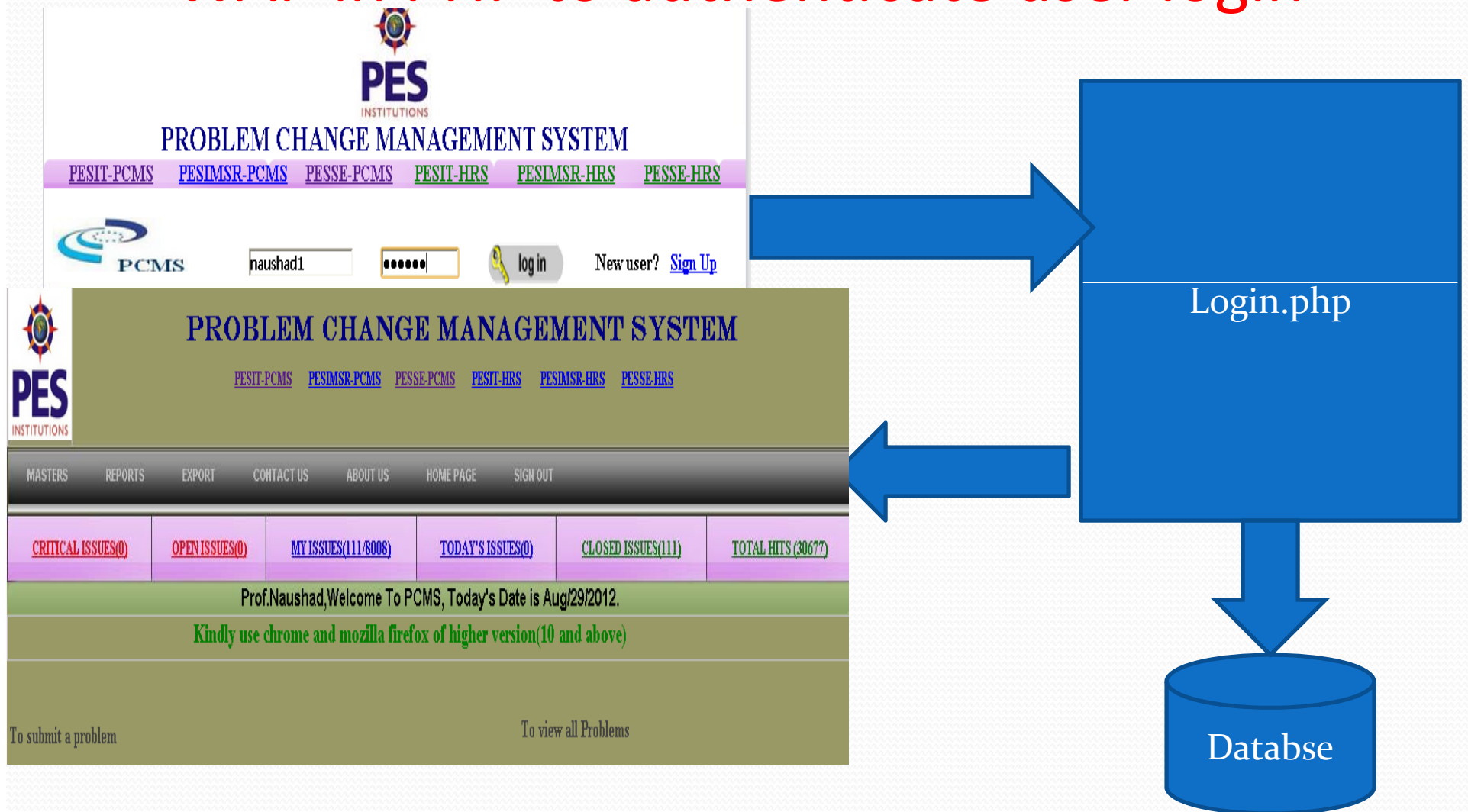
$avg=$total/$cnt;
echo "The avg is $avg";
$con->close();
?>
```



Inserting data

```
<?php
$con = mysqli_connect("localhost","root","","test");
if (!$con)
    die("Error: " . mysqli_connect_error());
$name=$_GET["fname"];
$mob=$_GET["mnumber"];
$mail=$_GET["email"];
$sql = "insert into reg value('$name','$mob','$mail')";
$result = $con->query($sql);
echo "data added";
$con->close();
?>
```

WAP in PHP to authenticate user login





Run time
forwarding and
including

Run time forwarding and including

```
<?php
// Permanent redirection
header("Location: http://www.yahoo.com/");
?>
```

In JSP
response.sendRedirect(URL);

In PERL
print "Location: http://somewhere/page.htm\n\n";

```
<html>
<head>
  <script type="text/javascript">
    window.location.href='http://www.somacn.com/'; </script>
  </head>
  <body>
    This page has moved to
    <a href="http://somacn.com/">http://somacn.com/</a>
  </body>
</html>
```

PHP program to authenticate user login

```
1. <?php
2. $con = mysqli_connect("localhost","root","","test");
3. if (!$con) die("Error: " . mysqli_connect_error());
4. $un=$_REQUEST["txtusername"]; $pwd=$_REQUEST["txtpwd"];
5. $sql = "select srn,name,marks from student where srn='$un' and name='$pwd'";
6. $result = $con->query($sql);
7. if (!$result) die("Error in sql query");
8. if($result->fetch_assoc())
9. {
10. header("Location: http://localhost/dbms/welcome.html");
11. }
12. else
13. {
14. header("Location: http://localhost/invaliduser.html");
15. }
16. $con->close();
17. ?>
```

Run time
forwarding
In case of valid user

Run time
forwarding
In case of invalid
user