Assignment - 11 (MySQL Programs)

Q.1] Write a program to create MySQL database and table and perform

following task :

1. Insert and retrieve data from table
2. Alter table add new column
3. Add information in new column

Ans :

Create\_Database.php

<?php

$server = "localhost";

$db\_uname = "root";

$db\_pwd = "";

$db\_name = "login";

$link = mysqli\_connect($server, $db\_uname, $db\_pwd) or die("Piyu");

mysqli\_select\_db($link, $db\_name);

$query = "select \* from login";

$result = mysqli\_query($link, $query);

$count = mysqli\_num\_rows($result);

if($count > 0)

{

echo "<br/>"."<br/>";

echo "<table border='1'>";

echo "<tr>";

echo "<td><b>Username</b></td>";

echo "<td><b>Password</b></td>";

echo "</tr>";

while($row = mysqli\_fetch\_array($result))

{

echo "<tr>";

echo "<td>".$row['username']."</td>";

echo "<td>".$row['password']."</td>";

echo "</tr>";

}

echo "</table>";

}

else

{

echo "Data Not Found..!!";

}

echo "<br/>"."<br/>";

echo "Want to Insert More Data ?";

echo "<br/>"."<br/>";

echo "If Yes, then ";

echo "<a href = 'Insert\_[Data]\_Operator.php'>Click here</a>";

echo "<br/>"."<br/>";

echo "Want to Add New-Column to the Current Data ?";

echo "<br/>"."<br/>";

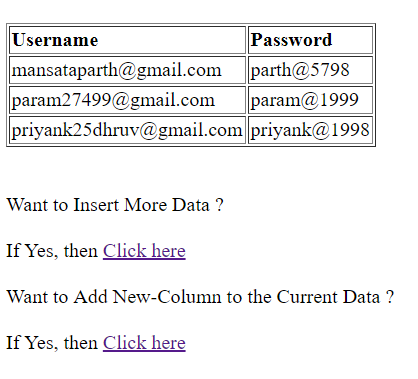
echo "If Yes, then ";

echo "<a href = 'Alter\_[Column]\_Operator.php'>Click here</a>";

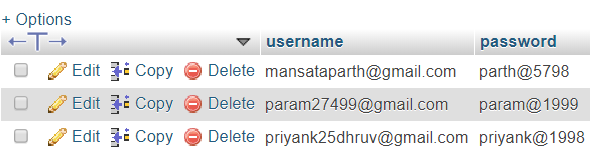
?>

Output :

1. Frontend View :



1. Backend View :



Insert\_[Data]\_Operator.php

<html>

<head>

<title>Insert\_Data\_Operator</title>

</head>

<body>

<fieldset style = "width:15%">

<legend>Enter Login Details</legend>

<form name = "insert" method = "post" action = "Insert\_[Data]\_Operator.php">

<br/>

<input type = "text" name = "username" placeholder = "Username"/>

<br/>

<br/>

<input type = "password" name = "password" placeholder = "Password"/>

<br/>

<br/>

<input type = "submit" name = "Submit" value = "Submit"/>

<br/>

</form>

</fieldset>

</body>

</html>

<?php

if(isset($\_POST['Submit']))

{

$uname = $\_POST['username'];

$pwd = $\_POST['password'];

$server = "localhost";

$db\_uname = "root";

$db\_pwd = "";

$db\_name = "login";

$link = mysqli\_connect($server, $db\_uname, $db\_pwd) or die("Piyu");

mysqli\_select\_db($link, $db\_name);

$query = "insert into login values('".$uname."','".$pwd."')";

$result = mysqli\_query($link, $query);

echo "<br/>";

echo "Data Inserted Successfully..!!";

echo "<br/>"."<br/>";

echo "Want to View Inserted Data ? ";

echo "If Yes, then ";

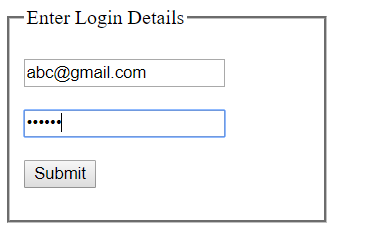
echo "<a href = 'View\_Database.php'>Click here</a>";

}

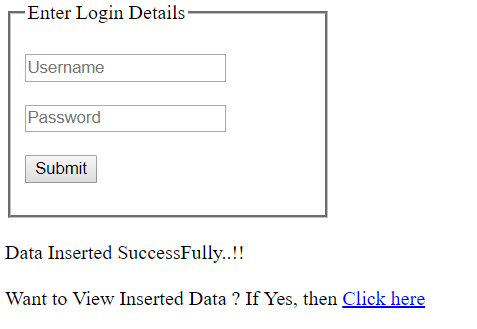
?>

Output :

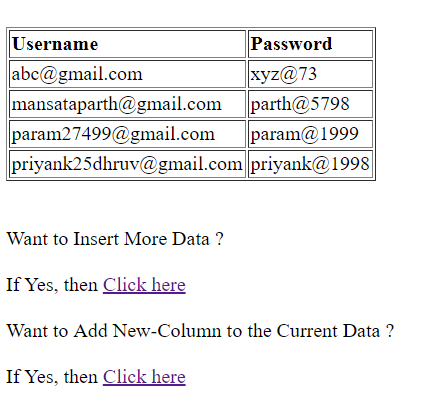
1. Frontend View :
2. Before Inserting Data :



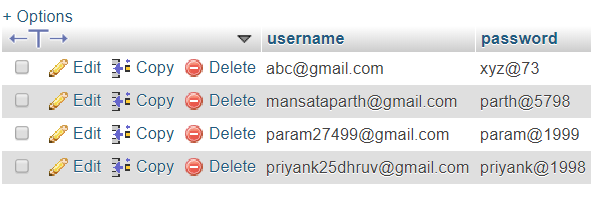
1. After Inserting Data :



1. View Inserted Data :



(b.) Backend View :



Alter\_[Column]\_Operator.php

<html>

<head>

<title>Alter\_Data\_Operator</title>

</head>

<body>

<fieldset style = "width:15%">

<legend>Enter New-Column Details</legend>

<form name = "alter" method = "post" action = "Alter\_[Column]\_Operator.php">

<br/>

<input type = "text" name = "column\_name" placeholder = "Column Name"/>

<br/>

<br/>

<input type = "text" name = "type" placeholder = "Type"/>

<br/>

<br/>

<input type = "number" name = "size" placeholder = "Size"/>

<br/>

<br/>

<input type = "submit" name = "Submit" value = "Submit"/>

<br/>

</form>

</fieldset>

</body>

</html>

<?php

if(isset($\_POST['Submit']))

{

$column\_name = $\_POST['column\_name'];

$type = $\_POST['type'];

$size = $\_POST['size'];

$server = "localhost";

$db\_uname = "root";

$db\_pwd = "";

$db\_name = "login";

$link = mysqli\_connect($server, $db\_uname, $db\_pwd) or die("Piyu");

mysqli\_select\_db($link, $db\_name);

$query = "alter table login add ".$column\_name." ".$type."(".$size.")";

$result = mysqli\_query($link, $query);

echo "<br/>";

echo "Data Altered SuccessFully..!!";

echo "<br/>"."<br/>";

echo "<br/>";

echo "Want to Insert Data in the Newly Added Column ? ";

echo "<br/>"."<br/>";

echo "If Yes, then ";

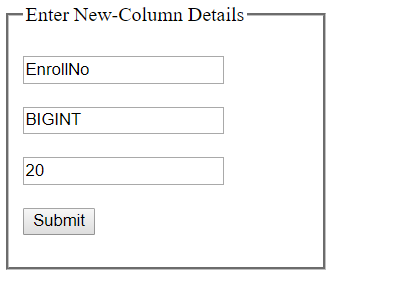
echo "<a href = 'Add\_Info[New\_Column].php'>Click here</a>";

}

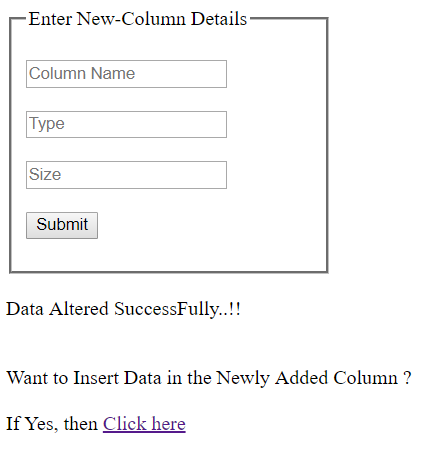
?>

Output :

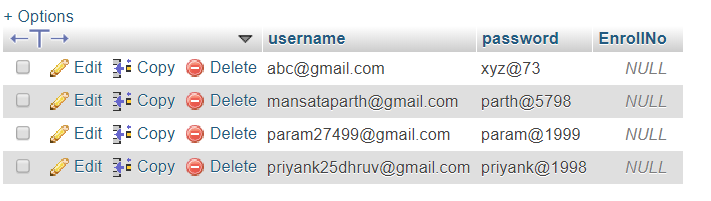
1. Frontend View :
2. Filling Column Name, Data-Type and its Size :



1. After Submitting New Column Details :



1. Backend View :



Add\_Info[New\_Colum].php

<html>

<head>

<title>Add\_Info\_Operator</title>

</head>

<body>

<fieldset style = "width:15%">

<legend>Enter New-Column Data</legend>

<form name = "add\_Data" method = "post" action = "Add\_Info[New\_Column].php">

<br/>

<input type = "text" name = "column\_data" placeholder = "Data"/>

<br/>

<br/>

<input type = "submit" name = "Submit" value = "Submit"/>

<br/>

</form>

</fieldset>

</body>

</html>

<?php

if(isset($\_POST['Submit']))

{

$column\_data = $\_POST['column\_data'];

$server = "localhost";

$db\_uname = "root";

$db\_pwd = "";

$db\_name = "login";

$link = mysqli\_connect($server, $db\_uname, $db\_pwd) or die("Piyu");

mysqli\_select\_db($link, $db\_name);

$query = "update login set EnrollNo = '".$\_POST['column\_data']."' where username =

'priyank25dhruv@gmail.com'";

$result = mysqli\_query($link, $query);

echo "<br/>";

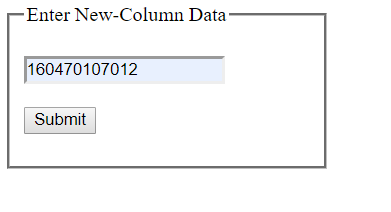
echo "Data Inserted into Newly Added Column SuccessFully..!!";

}

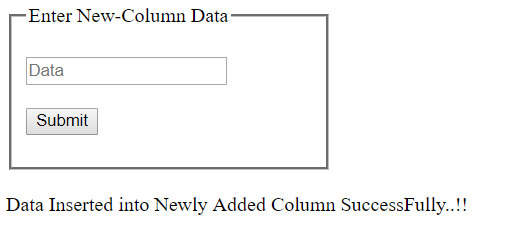
?>

Output :

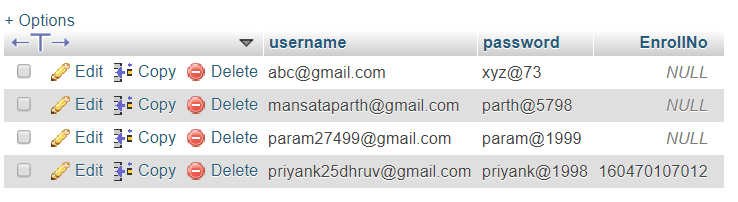
1. Frontend View :
2. Before filling Data into the New Column :



1. After Submitting Data into the New Column :



1. Backend View :



Q.2] Write module using php and html to store employee id, job title,

experience in employee table and output the information in

ascending order of its experience.

Ans :

Employee\_[Data\_Storage]\_Driver.php

<html>

<head>

<title>Employee\_Data\_Fetcher</title>

</head>

<body>

<fieldset style = "width:15%">

<legend>Employee Data Entry</legend>

<form name = "emp" method = "post" action = "Employee[Data\_Storage]\_Driver.php">

<br/>

<input type = "number" name = "emp\_id" placeholder = "Employee Id"/>

<br/>

<br/>

<input type = "text" name = "job\_title" placeholder = "Job Title"/>

<br/>

<br/>

<input type = "number" name = "year" placeholder = "Year Of Experience"/>

<br/>

<br/>

<input type = "submit" name = "Submit" value = "Submit">

<br/>

</form>

</fieldset>

</body>

</html>

<?php

if(isset($\_POST['Submit']))

{

$emp\_id = $\_POST['emp\_id'];

$job\_title = $\_POST['job\_title'];

$year = $\_POST['year'];

$server = "localhost";

$db\_uname = "root";

$db\_pwd = "";

$db\_name = "emp";

$link = mysqli\_connect($server, $db\_uname, $db\_pwd) or die("Niti");

mysqli\_select\_db($link, $db\_name);

$query\_1 = "insert into emp values('".$emp\_id."', '".$job\_title."', '".$year."')";

$result\_1 = mysqli\_query($link, $query\_1);

$query\_2 = "select \* from emp order by year asc";

$result\_2 = mysqli\_query($link,$query\_2);

$count = mysqli\_num\_rows($result\_2);

if($count > 0)

{

echo "<table border='1' cellpadding='5'>";

echo "<tr>";

echo "<td><b>emp\_ID</b></td>";

echo "<td><b>Job\_Title</b></td>";

echo "<td><b>Year\_Of\_Expr</b></td>";

echo "</tr>";

while($row = mysqli\_fetch\_array($result\_2))

{

echo "<tr>";

echo "<td>".$row['emp\_id']."</td>";

echo "<td>".$row['job\_title']."</td>";

echo "<td>".$row['year']."</td>";

echo "</tr>";

}

echo "</table>";

}

else

{

echo "Data Not Found..!!";

}

echo "Want to Insert More Data ?";

echo "If Yes, then ";

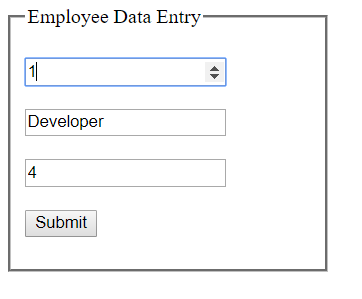
echo "<a href = 'Employee[Data\_Storage]\_Driver.php'>Click here</a><br>";

}

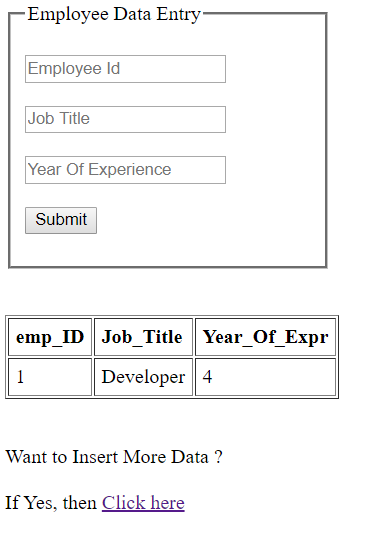
?>

Output :

1. Frontend View :
2. Before Inserting Data into the “emp” table :

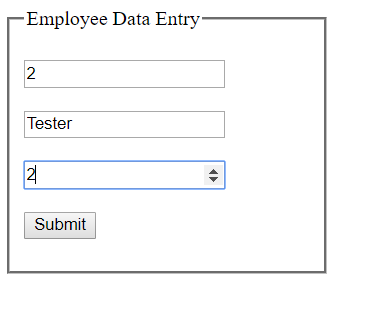


1. After Submitting Data :

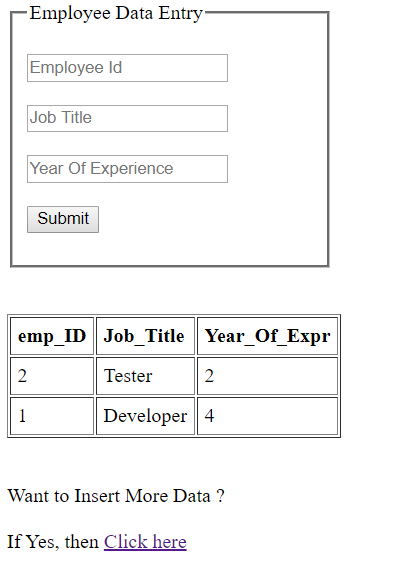


(3.) Adding More Data into the “emp” table :

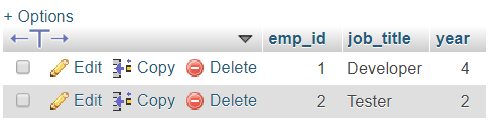
Step-1 :



Step-2 :



(b.) Backend View :



Q.3] Create a database country and create table city having field: city

name, area, population using php command.

Create HTML form to get city data and write a script to insert and

delete data into table.

Ans :

Country\_[Database]\_Manipulator.php

<html>

<head>

<title>Country\_Data\_Manipulator</title>

</head>

<body>

<fieldset style = "width:15%">

<legend>Country Data Entry</legend>

<form name = "country" method = "post" action = "Country[Database]\_Manipulator.php">

<br/>

<input type="text" name = "city\_name" placeholder = "City Name"/>

<br/>

<br/>

<input type = "text" name = "area" placeholder = "Area"/>

<br/>

<br/>

<input type = "number" name = "population" placeholder = "Population"/>

<br/>

<br/>

<input type = "submit" name = "Submit" value = "Submit"/>

<br/>

</form>

</fieldset>

</body>

</html>

<?php

if(isset($\_POST['Submit']))

{

$city\_name = $\_POST['city\_name'];

$area = $\_POST['area'];

$population = $\_POST['population'];

$server = "localhost";

$db\_uname = "root";

$db\_pwd = "";

$db\_name = "country";

$link = mysqli\_connect($server, $db\_uname, $db\_pwd) or die("Niti");

mysqli\_select\_db($link, $db\_name);

$query\_1 = "insert into country values('".$city\_name."','".$area."','".$population."')";

$result\_1 = mysqli\_query($link, $query\_1);

$query\_2 = "select \* from country";

$result\_2 = mysqli\_query($link, $query\_2);

$count = mysqli\_num\_rows($result\_2);

if($count > 0)

{

echo "<br/>"."<br/>";

echo "<table border='1'>";

echo "<tr>";

echo "<td><b>City Name<b/></td>";

echo "<td><b>Area<b/></td>";

echo "<td><b>Population<b/></td>";

echo "</tr>";

while($row = mysqli\_fetch\_array($result\_2))

{

echo "<tr>";

echo "<td>".$row['city\_name']."</td>";

echo "<td>".$row['area']."</td>";

echo "<td>".$row['population']."</td>";

echo "</tr>";

}

echo "</table>";

}

else

{

echo "Data Not Found..!!";

}

echo "<br/>"."<br/>";

echo "Want to Insert More Data ?";

echo "<br/>"."<br/>";

echo "If Yes, then ";

echo "<a href = 'Country[Database]\_Manipulator.php'>Insert</a>";

echo "<br/>"."<br/>";

echo "Want to Delete Current Data ?";

echo "<br/>"."<br/>";

echo "If Yes, then ";

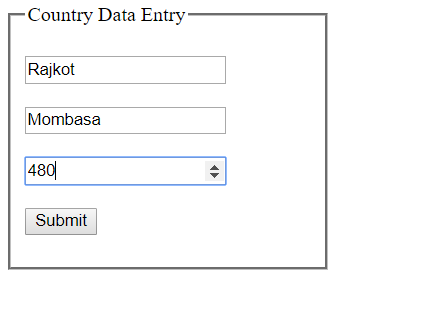
echo "<a href = 'Delete[Country\_Data].php'>Delete</a>";

}

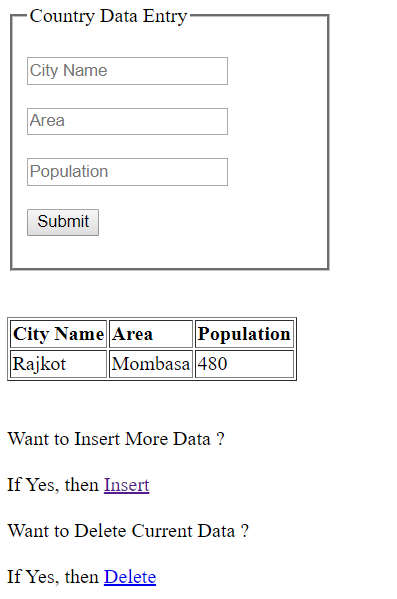
?>

Output :

1. Frontend View :
2. Before Inserting Data into the “country” table :

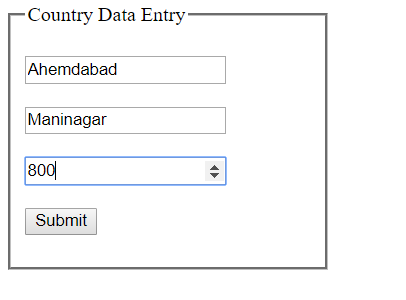


1. After Submitting Data :

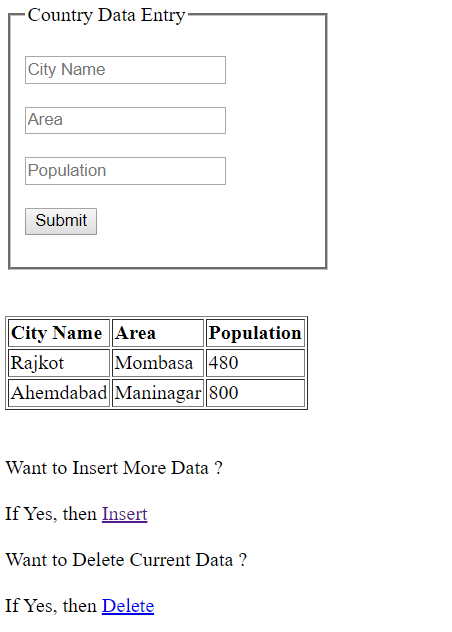


(3.) Adding More Data into the “country” table :

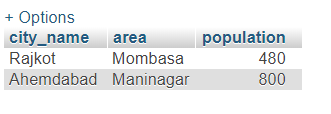
Step-1 :



Step-2 :



(b.) Backend View :



Delete\_[Country\_Data].php

<?php

$server = "localhost";

$db\_uname = "root";

$db\_pwd = "";

$db\_name = "country";

$link = mysqli\_connect($server, $db\_uname, $db\_pwd) or die("Niti");

mysqli\_select\_db($link, $db\_name);

$query\_1 = "delete from country where city\_name = 'Rajkot'";

$result\_1 = mysqli\_query($link, $query\_1);

echo "Data Deleted Successfully..!!";

$query\_2 = "select \* from country";

$result\_2 = mysqli\_query($link, $query\_2);

$count = mysqli\_num\_rows($result\_2);

if($count > 0)

{

echo "<br/>"."<br/>";

echo "<table border='1'>";

echo "<tr>";

echo "<td><b>City Name<b/></td>";

echo "<td><b>Area<b/></td>";

echo "<td><b>Population<b/></td>";

echo "</tr>";

while($row = mysqli\_fetch\_array($result\_2))

{

echo "<tr>";

echo "<td>".$row['city\_name']."</td>";

echo "<td>".$row['area']."</td>";

echo "<td>".$row['population']."</td>";

echo "</tr>";

}

echo "</table>";

}

else

{

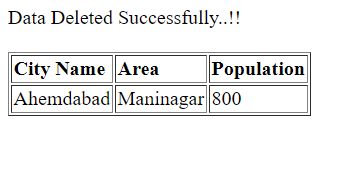
echo "Data Not Found..!!";

}

?>

Output :

1. Frontend View :



1. Backend View :



Q.4] Read and store student information such as enrollment, name,

semester and percentage in database table student, output the

data in tabular format.

Ans :

Student\_[Data\_Storage]\_Driver.php

<html>

<head>

<title>Student\_Data\_Reader</title>

</head>

<body>

<fieldset style = "width:15%">

<legend>Student Data Entry</legend>

<form name = "stud" method = "post" action = "Student[Data\_Storage]\_Driver.php">

<br/>

<input type = "number" name = "stud\_enroll" placeholder = "Enrollment No."/>

<br/>

<br/>

<input type = "text" name = "stud\_name" placeholder = "Student Name"/>

<br/>

<br/>

<input type = "number" name = "stud\_sem" placeholder = "Current Semester"/>

<br/>

<br/>

<input type = "number" name = "stud\_percentage" placeholder = "Percentage"/>

<br/>

<br/>

<input type = "submit" name = "Submit" value = "Submit">

<br/>

</form>

</fieldset>

</body>

</html>

<?php

if(isset($\_POST['Submit']))

{

$stud\_enroll = $\_POST['stud\_enroll'];

$stud\_name = $\_POST['stud\_name'];

$stud\_sem = $\_POST['stud\_sem'];

$stud\_percentage = $\_POST['stud\_percentage'];

$server = "localhost";

$db\_uname = "root";

$db\_pwd = "";

$db\_name = "student";

$link = mysqli\_connect($server, $db\_uname, $db\_pwd) or die("Niti");

mysqli\_select\_db($link, $db\_name);

$query\_1 = "insert into student values('".$stud\_enroll."','".$stud\_name."','".$stud\_sem."','".$stud\_percentage."')";

$result\_1 = mysqli\_query($link, $query\_1);

$query\_2 = "select \* from student";

$result\_2 = mysqli\_query($link, $query\_2);

$count = mysqli\_num\_rows($result\_2);

if($count > 0)

{

echo "<table border='1'>";

echo "<tr>";

echo "<td>Enrollnment No</td>";

echo "<td>Name</td>";

echo "<td>Semester</td>";

echo "<td>Percentage</td>";

echo "</tr>";

while($row = mysqli\_fetch\_array($result\_2))

{

echo "<tr>";

echo "<td>".$row['stud\_enroll']."</td>";

echo "<td>".$row['stud\_name']."</td>";

echo "<td>".$row['stud\_sem']."</td>";

echo "<td>".$row['stud\_percentage']."%</td>";

echo "</tr>";

}

echo "</table>";

}

else

{

echo "Data Not Found..!!";

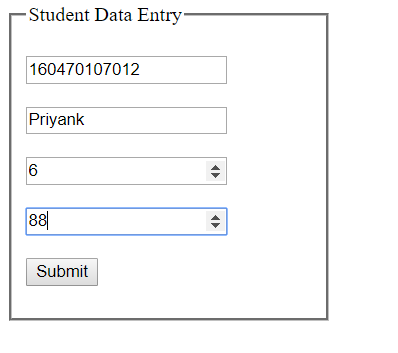
}

}

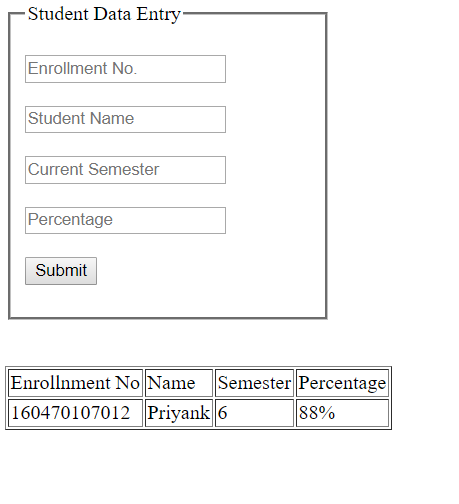
?>

Output :

1. Frontend View :
2. Before Inserting Data into the “student” table :



1. After Submitting Data :



(b.) Backend View :

