

PHP & MySQL Database (Insert)

Design database to register students in the college department. DB name = **rigstedu**

Department (ID, depname) (int, varchar(30)) ID auto Increment

Student (ID, studname, age, mobile, create_date, depid)

(varchar(7), varchar(50), int, varchar(11), date, int)

ID = depid + first character(studname) + last character(studname)+ last two number of (mobile) + date (Note: only the day from the date, 01-31)

Insert a new record

- 1) Table without *foreign* key. The input page HTML page
- 2) Table with *foreign* key. The input page PHP which contain selection of the foreign key.

PHP (in both cases)

- 1) Capture user input (*\$var*)
- 2) PHP to DB connection
`$db = new mysqli('localhost', 'root', '', 'db name');`
- 3) SQL query
`$q = "insert into table values($var)";`
- 4) Execute query in DB
`$r = $db->query($q);`
- 5) Inserted?
`if ($r)`
`echo "Insertd";`
`else`
`echo "Error";`

Q) Insert a new record for department table?

adddep.html

```
<form action="Insertdep.php">
Department Name: <input type="text" name="t1"><br>
<input type="submit" value="Add">
</form>
```

insertdep.php

```

<?php
$name=$_GET['t1'];
$db=new mysqli('localhost','root','','rigstedu');
$q="insert into department values(NULL,'$name)";
$r=$db->query($q);
if ($r)
    echo "$name is Inserted";
else
    echo "Error";
?>

```

Q) Insert a new record for student table?

addstud.php

```

<form action="Insertstud.php">
Id: <input type="text" name="t1"><br><br>
Student Name: <input type="text" name="t2"><br><br>
Age: <input type="number" name="t3"><br><br>
Mobile: <input type="text" name="t4"><br><br>
Create Date: <input type="date" name="t5"><br><br>
Department : <select name="s1">
<?php
$db=new mysqli('localhost','root','','rigstedu');
$q="select * from department";
$r=$db->query($q);
if ($r)
{
    $no=$r->num_rows;
    for ($i=0;$i<$no;$i++)
    {
        $rec=$r->fetch_assoc();
        echo "<option value=\"\$rec[id]\">$rec[depname]</option>";
    }
}
else
    echo "error";

?>
</select><br><br>
<input type="submit" value="Add">
</form>

```

insertstud.php

```
<?php
$id=$_GET['t1']; $name=$_GET['t2']; $age=$_GET['t3'];
$mob=$_GET['t4']; $cd=$_GET['t5']; $dep=$_GET['s1'];
$db=new mysqli('localhost','root','','rigstedu');
$q="insert into student values('$id','$name',$age,'$mob','$cd','$dep)";
$r=$db->query($q);
if ($r)
    echo "$name is Inserted";
else
    echo "Error";
?>
```

Generate student ID by using PHP***Insertstud1.php***

```
<?php
$name=$_GET['t2'];
$age=$_GET['t3'];
$mob=$_GET['t4'];
$cd=$_GET['t5'];
$dep=$_GET['s1'];
$len=strlen($name);
$len1=strlen($mob);
$time = strtotime($cd);
$day = date('d',$time);
$id=$dep.substr($name,0,1).substr($name,$len-1,1).substr($mob,$len1-2,2).$day;
$db=new mysqli('localhost','root','','rigstedu');
$q="insert into student values('$id','$name',$age,'$mob','$cd','$dep)";
$r=$db->query($q);
if ($r)
    echo "$name is Inserted";
else
    echo "Error";
?>
```

Generate student ID by using Java Sceipt

```

<head>
<script language="javascript">
function genid()
{
    var t1,t2,t3,nam=myform.t2.value, mob=myform.t4.value;
    var d1=new Date(myform.t5.value);
    t1=myform.s1.value+nam.charAt(0)+nam.charAt(nam.length-1);
    t2=mob.substr(mob.length-2,2);
    t3=d1.getDate();
    myform.t1.value=t1+t2+t3;
}
</script>
</head>
<form action="Insertstud.php" name="myform">
Id: <input type="text" name="t1"><br><br>
Student Name: <input type="text" name="t2"><br><br>
Age: <input type="number" name="t3"><br><br>
Mobile: <input type="text" name="t4"><br><br>
Create Date: <input type="date" name="t5"><br><br>
Department : <select name="s1">
<?php
$db=new mysqli('localhost','root','','rigstedu');
$q="select * from department";
$r=$db->query($q);
if ($r)
{
    $no=$r->num_rows;
    for ($i=0;$i<$no;$i++)
    {
        $rec=$r->fetch_assoc();
        echo "<option value=\"\$rec[id]\">$rec[depname]</option>";
    }
}
else
    echo "error";

?>
</select><br><br>
<input type="submit" value="Add">
<input type="button" onclick="genid()" value="Gen ID">
</form>

```