

10. Write a PHP program to sort the student records which are stored in the database using selection sort.

```
<html>

<body>
  <style>
    table,
    td,
    th {
      border: 1px solid black;
      width: 33%;
      text-align: center;
      border-collapse: collapse;
      background-color: lightblue;
    }

    table
    {
      margin: auto;
    }

  </style>

  <?php

    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "web";

    $a=[];

    $conn = mysqli_connect($servername, $username, $password, $dbname);

    if (!$conn)
      die("Connection failed: " . $conn->connect_error);
```

```
$crt="create table student(usn varchar(20),name varchar(20),address
varchar(20));
$result0= mysqli_query($conn,$crt);
```

```
$crt1="INSERT INTO `student`(`usn`,`name`,`address`) VALUES
('1AB18CS001','name1','add1)";
```

```
$crt2="INSERT INTO `student`(`usn`,`name`,`address`) VALUES
('1AB18CS002','name2','add2)";
```

```
$crt3="INSERT INTO `student`(`usn`,`name`,`address`) VALUES
('1AB18CS003','name3','add3)";
```

```
$result1= mysqli_query($conn,$crt1);
```

```
$result2= mysqli_query($conn,$crt2);
```

```
$result3= mysqli_query($conn,$crt3);
```

```
$sql = "SELECT * FROM student";
```

```
$result = mysqli_query($conn,$sql);
```

```
echo "<br>";
```

```
echo "<center> BEFORE SORTING </center>"; echo "<table border='2'>";
```

```
echo "<tr>";
```

```
echo "<th>USN</th><th>NAME</th><th>Address</th></tr>";
```

```
if ($result->num_rows > 0)
```

```
{
```

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

```
{
```

```
echo "<tr>";
```

```
echo "<td>". $row["usn"]."</td>";
```

```
echo "<td>". $row["name"]."</td>";
```

```
echo "<td>". $row["address"]."</td></tr>";
```

```
array_push($a,$row["usn"]);
```

```
}
```

```
}
```

```

else
    echo "Table is Empty";
    echo "</table>";

$n=count($a);
$b=$a;

for($i=0;$i<($n-1);$i++)
{
    $pos= $i;
    for ( $j = $i + 1 ; $j < $n ; $j++ )
    {
        if ( $a[$pos] > $a[$j] )
            $pos= $j;
    }
    if ( $pos!= $i )
    {
        $temp=$a[$i];
        $a[$i] = $a[$pos];
        $a[$pos] = $temp;
    }
}
$c=[];
$d=[];
$result = $conn->query($sql);

if ($result->num_rows > 0)
{
    while($row = $result->fetch_assoc())
    {
        for($i=0;$i<$n;$i++)
        {
            if($row["usn"]== $a[$i])
            {
                $c[$i]=$row["name"];
                $d[$i]=$row["address"];
            }
        }
    }
}
}

```

```
echo "<br>";
echo "<center> AFTER SORTING <center>";
echo "<table border='2'>";
echo "<tr>";
echo "<th>USN</th><th>NAME</th><th>Address</th></tr>";

for($i=0;$i<$n;$i++)
{
    echo "<tr>";
    echo "<td>. $a[$i].</td>";
    echo "<td>. $c[$i].</td>";
    echo "<td>. $d[$i].</td></tr>";
}
echo "</table>";
$conn->close();
?>
</body>

</html>
```