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

|  |
| --- |
| **For Table creation:**   * **Mysql –u root –p**   **Password:password**   * **show databases;** * **create database sample;** * **use sample;** * **create table Student(usn varchar(20), name varchar(20), address varchar(20));** * **insert into Student values(‘123’, ‘sam’, ‘USA’);** * **insert into Student values(‘322’, ‘tom’, ‘Singapore’);** * **insert into Student values(‘451’, ‘John’, ‘France’);** * **insert into Student values(‘214’, ‘sean’, ‘Russia’);** * **select \* from Student;** |

<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 = "root";

$dbname = "sample";

$a=[];

// Create connection // Opens a new connection to the MySQL server

$conn = mysqli\_connect($servername, $username, $password, $dbname);

// Check connection and return an error description from the last connection error, if any

if ($conn->connect\_error) die("Connection failed: " . $conn->connect\_error); $sql = "SELECT \* FROM student";

// performs a query against the database

$result = $conn->query($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)

{

// output data of each row and fetches a result row as an associative array

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)

// output data of each row

{

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>