



NAVODAYA INSTITUTE OF TECHNOLOGY, RAICHUR

DEPARMENT OF COMPUTER SCIENCE & ENGINEERING

Web Technology Lab

Program – 8A

8A. Develop a PHP program (with HTML/CSS) to keep track of the number of visitors visiting the web page and to display this count of visitors, with relevant headings.

Instructions: How to Run?

- Create a file name called **track.php**, copy the below code and paste it and save it.
- Copy **track.php** file and open XAAMP directory if installed else install it [click here](#)
- There you'll find a folder named "htdocs".
- Inside the "htdocs" folder, paste **track.php** file.
- After then open your XAAMP and start the Apache server.
- Open your favorite browser; we recommend using Google Chrome or Mozilla Firefox.
- Then, go to the URL "http://localhost/track.php".

Program :

```
<?php
$counterFile = "counter.txt";

if (!file_exists($counterFile)) {
    file_put_contents($counterFile, "0");
}

$currentCount = file_get_contents($counterFile);

$newCount = $currentCount + 1;

file_put_contents($counterFile, $newCount);
?>
```

```
<!DOCTYPE html>
<html lang="en">

<head>

  <title>Visitor Counter | vtucode</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      margin: 0;
      padding: 0;
      display: flex;
      flex-direction: column;
      justify-content: center;
      height: 100vh;
      background-color: #f4f4f9;
      color: #333;
    }

    .container {
      background: #fff;
      padding: 20px;
      box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
      border-radius: 8px;
      margin: 0 auto;
      width: 60%;
    }

    h1 {
      font-size: 2.5em;
      margin: 0;
    }

    p {
      font-size: 1.2em;
      color: #555;
    }
  </style>
</head>

<body>
  <div class="container">
    <h1>Welcome to Our Website!</h1>
    <p>You are visitor number: <strong><?php echo $newCount;
?></strong></p>
```

```
</div>
</body>

</html>
```

Output :

Welcome to Our Website!

You are visitor number: 34

Program : 8B

8B. Develop a PHP program (with HTML/CSS) to sort the student records which are stored in the database using selection sort.

Instructions: How to Run?

- Create a database name called students or download and import [click here](#)
- Create a file name called **sort_students.php**, copy the below code and paste it and save it.
- Copy **sort_students.php** file and open XAAMP directory if installed else install it [click here](#)
- There you'll find a folder named "htdocs".
- Inside the "htdocs" folder, paste **sort_students.php** file.
- After then open your XAAMP and start the Apache server.
- Open your favorite [browser](#); we recommend using Google Chrome or Mozilla Firefox.
- Then, go to the URL "http://localhost/sort_students.php".

Program :

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "students";

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

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "SELECT * FROM students";
$result = $conn->query($sql);

$students = [];
if ($result->num_rows > 0) {
    while ($row = $result->fetch_assoc()) {
        $students[] = $row;
    }
}

function selectionSort(&$arr, $key)
{
    $n = count($arr);
    for ($i = 0; $i < $n - 1; $i++) {
        $minIndex = $i;
        for ($j = $i + 1; $j < $n; $j++) {
            if ($arr[$j][$key] < $arr[$minIndex][$key]) {
                $minIndex = $j;
            }
        }
        $temp = $arr[$i];
        $arr[$i] = $arr[$minIndex];
        $arr[$minIndex] = $temp;
    }
}

selectionSort($students, 'name');
?>

<!DOCTYPE html>

<head>
    <title>Sorted Student Records | vtucode</title>
    <style>
        body {
```

```
font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
background-color: #f0f2f5;
color: #333;
margin: 0;
padding: 20px;
}

h2 {
text-align: center;
color: #4A90E2;
margin-bottom: 20px;
}

table {
width: 100%;
border-collapse: collapse;
background-color: #fff;
border-radius: 10px;
overflow: hidden;
box-shadow: 0 2px 8px rgba(0, 0, 0, 0.1);
margin: 0 auto;
}

th,
td {
padding: 12px 15px;
text-align: left;
border-bottom: 1px solid #ddd;
}

th {
background-color: #4A90E2;
color: white;
text-transform: uppercase;
letter-spacing: 0.03em;
}

tr {
transition: background-color 0.3s ease;
}

tr:hover {
background-color: #f1f1f1;
}

td {
font-size: 0.9em;
color: #555;
}
```

```
@media (max-width: 768px) {

    table,
    th,
    td {
        display: block;
        width: 100%;
    }

    th,
    td {
        box-sizing: border-box;
    }

    tr {
        margin-bottom: 15px;
        display: block;
        box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
    }

    th {
        position: absolute;
        top: -9999px;
        left: -9999px;
    }

    td {
        border: none;
        position: relative;
        padding-left: 50%;
        text-align: right;
    }

    td:before {
        content: attr(data-label);
        position: absolute;
        left: 0;
        width: 50%;
        padding-left: 15px;
        font-weight: bold;
        text-align: left;
        text-transform: uppercase;
        color: #4A90E2;
    }
}
</style>
</head>

<body>
```

<h2>Sorted Student Records by Name</h2>

```
<table>
  <thead>
    <tr>
      <th>ID</th>
      <th>Name</th>
      <th>USN</th>
      <th>Branch</th>
      <th>Email</th>
      <th>Address</th>
    </tr>
  </thead>
  <tbody>
    <?php foreach ($students as $student): ?>
      <tr>
        <td data-label="ID"><?php echo htmlspecialchars($student['id']); ?></td>
        <td data-label="Name"><?php echo htmlspecialchars($student['name']); ?></td>
        <td data-label="USN"><?php echo htmlspecialchars($student['usn']); ?></td>
        <td data-label="Branch"><?php echo htmlspecialchars($student['branch']);
?></td>
        <td data-label="Email"><?php echo htmlspecialchars($student['email']); ?></td>
        <td data-label="Address"><?php echo htmlspecialchars($student['address']);
?></td>
      </tr>
    <?php endforeach; ?>
  </tbody>
</table>

</body>

</html>
```

Output :

Sorted Student Records by Name

ID	NAME	USN	BRANCH	EMAIL	ADDRESS
2	Aman Kumar	1ME21CS002	CSE	aman@gmail.com	Chennai
8	Arun Kumar	1ME21CS008	CSE	arun@gmail.com	Bhopal
5	Bikash Kumar Singh	1ME21CS005	CSE	bikash@gmail.com	Mumbai, India
1	Braham Kumar	1ME21CS001	DS	braham@gmail.com	Nepal
9	Dipesh Kumar Mandal	1ME21CS009	ISE	dipesh@gmail.com	Indore
6	Shaoib Akhtar	1ME21CS006	AI&ML	shoaib@gmail.com	Patna, India
7	Shiv Kumar Yadav	1ME21CS007	ECE	shiv@gmail.com	Lucknow
4	Shubham Kumar	1ME21CS004	CSE	shubham@gmail.com	Ghaziabad
10	Shyam Kumar Singh	1ME21CS010	ME	shyam@gmail.com	Pune
3	Sunil Kumar	1ME21CS003	CIVIL	sunil@gmail.com	Delhi, India