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**Sub : Sem-II**

**Roll No : 270**

**Practical : 11**

**Aim: Write a PHP program to perform search operation on the student records using AJAX.**

**Code:**

**Index.html**

```
<!DOCTYPE html>
<html>
<head>
  <title>Student Search using AJAX & PHP</title>
  <style>    body {      font-
family: Arial, sans-serif;
background-color: #f4f6f9;
margin: 0;      padding: 40px;
text-align: center;
    }
    h2 {
color: #333;
    }

    #search {      width:
300px;      padding: 10px;
font-size: 16px;
border-radius: 5px;
border: 1px solid #ccc;
margin-top: 20px;
    }

    #result {      margin-top: 20px;
text-align: left;      display: inline-block;
background-color: #fff;      padding:
20px;      border-radius: 10px;
box-shadow: 0 0 10px rgba(0,0,0,0.1);
    }
    li {      font-size: 18px;
padding: 5px 0;      border-
bottom: 1px solid #eee;
    }
    li:last-child
{
    border-bottom: none;
    }
  </style>

  <script>    function searchStudent() {      var query =
document.getElementById("search").value;      if (query
```

```

=== "") {
document.getElementById("result").innerHTML = "";
return;
}

var xhttp = new XMLHttpRequest();      xhttp.onreadystatechange =
function() {      if (this.readyState === 4 && this.status === 200) {
document.getElementById("result").innerHTML = this.responseText;
}
};

xhttp.open("GET", "search.php?q=" + encodeURIComponent(query), true);
xhttp.send();
}
</script>
</head>
<body>
<h2>Search Student Records</h2>
<input type="text" id="search" onkeyup="searchStudent()" placeholder="Enter student name"><br>
<div id="result"></div>
</body>
</html>

```

## search.php

```

<?php
// Sample student data (you can later connect to a database instead)
$students = [
    "Daenerys Targaryen",
    "Jon Snow",
    "Tyrion Lannister",
    "Cersei Lannister",
    "Arya Stark",
    "Littlefinger"
];

if (isset($_GET['q'])) {
    $q = strtolower($_GET['q']);
    $results = [];

    foreach ($students as $student) {      if
(strpos(strtolower($student), $q) !== false) {
$results[] = $student;
}
}

if (!empty($results)) {      echo "<ul>";
foreach ($results as $name) {      echo "<li>" .
htmlspecialchars($name) . "</li>";
}
echo "</ul>";
}

```

```
} else {      echo "No matching  
student found.";  
}  
} else {      echo "No search term  
provided.";  
}  
?>
```

## OUTPUT:



