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**Roll No : 271 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:**





