

Aim: Write a PHP code to implement AJAX functionality.

- **Livesearch.php**

```
<?php
$xmlDoc = new DOMDocument();
$xmlDoc->load("links.xml");

$x = $xmlDoc->getElementsByTagName('link');
$q = $_GET["q"];
$hint = "";

if (strlen($q) > 0) {
    for($i = 0; $i < $x->length; $i++) {
        $y = $x->item($i)->getElementsByTagName("title");
        $z = $x->item($i)->getElementsByTagName("url");
        if ($y->item(0)->nodeType == 1) {
            if (strpos($y->item(0)->childNodes->item(0)->nodeValue, $q)) {
                if ($hint == "") {
                    $hint = "<a href='" . $z->item(0)->childNodes->item(0)->nodeValue .
                        "' target='_blank'>" . $y->item(0)->childNodes->item(0)->nodeValue . "</a>";
                } else {
                    $hint .= "<br><a href='" . $z->item(0)->childNodes->item(0)->nodeValue .
                        "' target='_blank'>" . $y->item(0)->childNodes->item(0)->nodeValue . "</a>";
                }
            }
        }
    }
}

$response = ($hint == "") ? "no suggestion" : $hint;
echo $response;
?>
```

- **Index.html**

```
<!DOCTYPE html>
<html>
<head>
<script>
function showResult(str) {
    if (str.length == 0) {
        document.getElementById("livesearch").innerHTML = "";
        document.getElementById("livesearch").style.border = "0px";
        return;
    }
    var xmlhttp = new XMLHttpRequest();
    xmlhttp.onreadystatechange = function () {
```

```

    if (this.readyState == 4 && this.status == 200) {
        document.getElementById("livesearch").innerHTML = this.responseText;
        document.getElementById("livesearch").style.border = "1px solid #A5ACB2";
    }
};
xmlhttp.open("GET", "livesearch.php?q=" + str, true);
xmlhttp.send();
}
</script>
</head>
<body>
<form>
    <input type="text" size="30" onkeyup="showResult(this.value)">
    <div id="livesearch"></div>
</form>
</body>
</html>

```

- **Links.xml**

```

<links>
    <link>
        <title>W3Schools</title>
        <url>https://www.w3schools.com</url>
    </link>
    <link>
        <title>Google</title>
        <url>https://www.google.com</url>
    </link>
    <link>
        <title>GitHub</title>
        <url>https://www.github.com</url>
    </link>
</links>

```

Output:

