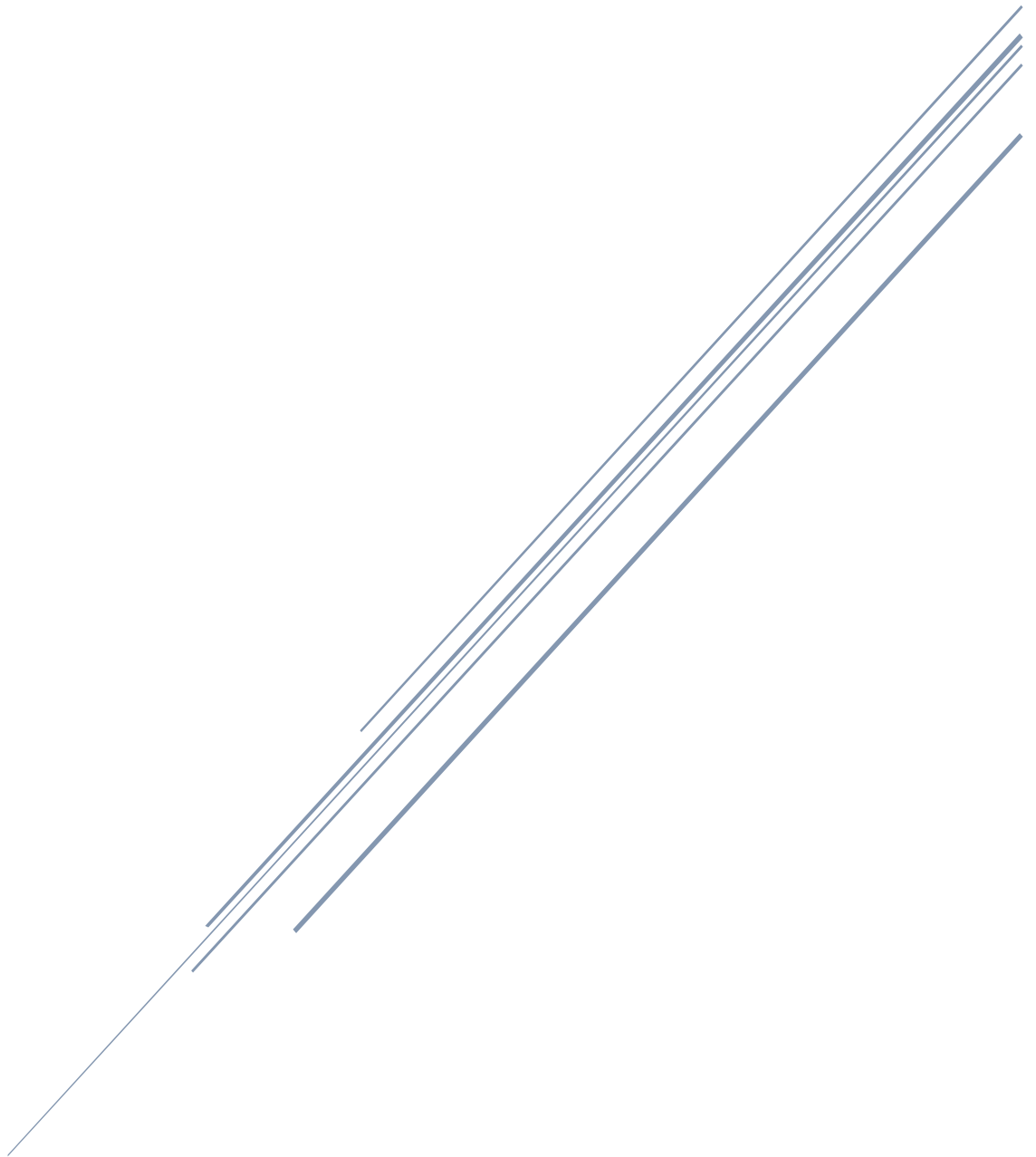


CSE3002 – INTERNET AND WEB PROGRAMMING

Lab – 11



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Question – 1

Write a minimal web application to display the capital names of the user input state. Design an appropriate GUI for the same. Assume that the state and capital names are stored in associative array. Pass the name of the capital from form to server code

(i) using form element – names – synchronous

(ii) using ajax – asynchronous –(a) Get method with hard coded value as well as user input value

(b) POST method with hard coded value as well as user input value

Code

Form action method

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset= "UTF-8">
  </head>
  <body>
    <form action = "x1.php" method = "GET">
      Enter name of the state : <input type = "text" name = "fname">
      <input type = "submit">
    </form>
  </body>
</html>
```

```
<?php
  $input = $_GET["fname"];
  $states = array("Telangana" => "Hyderabad" , "Maharashtra" => "Mumbai" ,
  "Tamil Nadu" => "Chennai");
  foreach($states as $x => $x_val){
    if ($x == $input){
      echo "Capital = " . $x_val;
    }
  }
?>
```

GET Method

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <script>
      function xhttpstuff()
      {
        var x = new XMLHttpRequest();
        x.onreadystatechange = function() {
          if (this.readyState == 4 && this.status == 200) {
            document.getElementById('demo').innerHTML =
this.responseText;
          }
        }
        var y = document.getElementById('name1').value;
        x.open("GET","states.php?f1="+y,true);
        x.send();
      }
    </script>
  </head>
  <body>
    <form name="form1" method="get">
      Enter name of the state : <input type = "text" id = "name1" name =
"fname">
      <input type = "button" value="OK" onclick = "xhttpstuff()">
    </form>
    <div id = "demo"></div>
  </body>
</html>
```

POST Method

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <script>
      function xhttpstuff()
      {
        var x = new XMLHttpRequest();
        x.onreadystatechange = function() {
          if (this.readyState == 4 && this.status == 200) {
            document.getElementById('demo').innerHTML =
this.responseText;
          }
        }
      }
    </script>
  </head>
  <body>
    <form name="form1" method="post">
      Enter name of the state : <input type = "text" id = "name1" name =
"fname">
      <input type = "button" value="OK" onclick = "xhttpstuff()">
    </form>
    <div id = "demo"></div>
  </body>
</html>
```

```

    }
    var y = document.getElementById('name1').value;
    x.open("POST", "postinp.php", true);
    x.setRequestHeader('Content-type', 'application/x-www-form-
urlencoded');
    x.send("f1="+y);
  }
</script>
</head>
<body>
  <form name="form1" method="get">
    Enter name of the state : <input type = "text" id = "name1" name =
"fname">
    <input type = "button" value="OK" onclick = "xhttpstuff()">
  </form>
  <div id = "demo"></div>
</body>
</html>

```

PHP Code

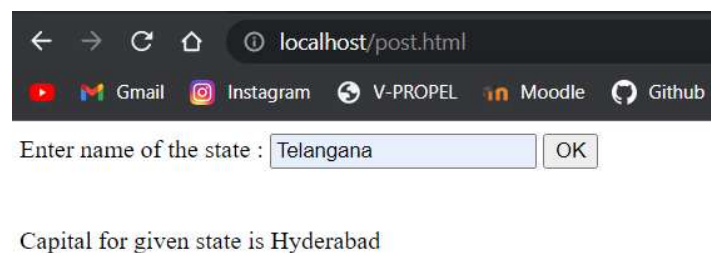
```

<?php
  $input = $_GET["fname"];
  $states = array("Telangana" => "Hyderabad" , "Maharashtra" => "Mumbai" ,
"Tamil Nadu" => "Chennai");
  foreach($states as $x => $x_val){
    if ($x == $input){
      echo "Capital = " . $x_val;
    }
  }
}
?>

```

Output

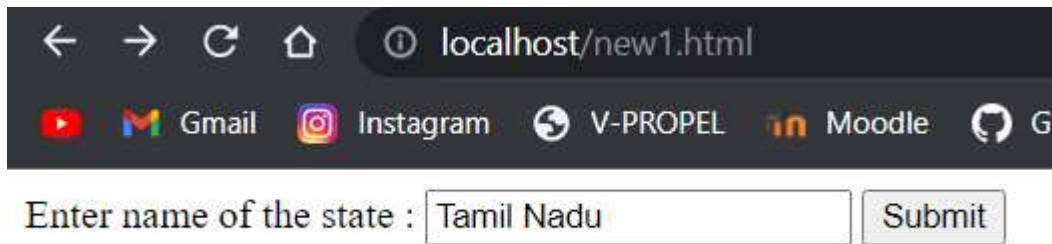
POST Method



Enter name of the state :

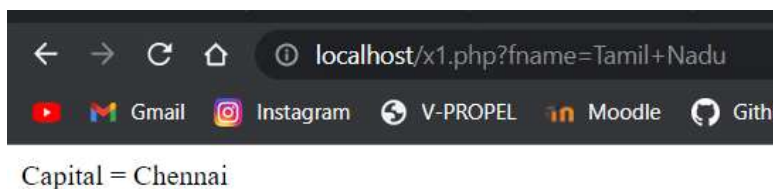
Capital for given state is Hyderabad

Form action



localhost/new1.html

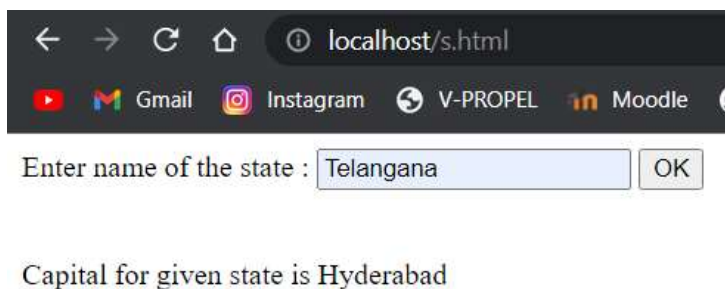
Enter name of the state :



localhost/x1.php?fname=Tamil+Nadu

Capital = Chennai

GET Method



localhost/s.html

Enter name of the state :

Capital for given state is Hyderabad

Question – 2

Design a user interface with required code using html and php to add the new state name and its capital from form input to the php array (provided if the array does not have the user input state and capital names already).

Code

HTML Code

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset= "UTF-8">
  </head>
  <body>
    <form name = "form1" method = "GET">
      Enter name of the state : <input type = "text" id = "fname1" name =
"name1"> <br>
      Enter name of the capital : <input type = "text" id = "fname2" name =
"name2">
      <input type = "button" value="OK" onclick = "function1()">
      <div id="demo1"></div>
      <script src="new.js"></script>
    </form>
  </body>
</html>
```

JS Code

```
function function1() {
  var xhttp = new XMLHttpRequest();
  var input1 = document.getElementById("fname1").value
  var input2 = document.getElementById("fname2").value
  xhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
      document.getElementById("demo1").innerHTML = this.responseText;
    }
  }
  xhttp.open("GET", "x2.php?fname1="+input1+"&fname2="+input2, true);
  xhttp.send();
}
```

PHP Code

```
<?php
  $input = $_GET["fname1"];
  $input2 = $_GET["fname2"];

  $states = array("Telangana" => "Hyderabad" , "Maharashtra" => "Mumbai" ,
"Tamil Nadu" => "Chennai");
```

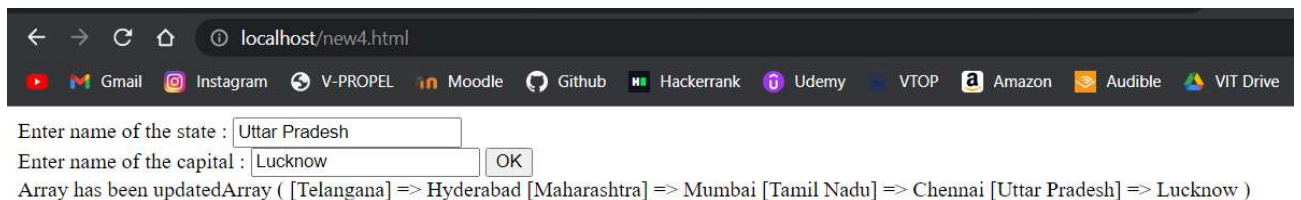
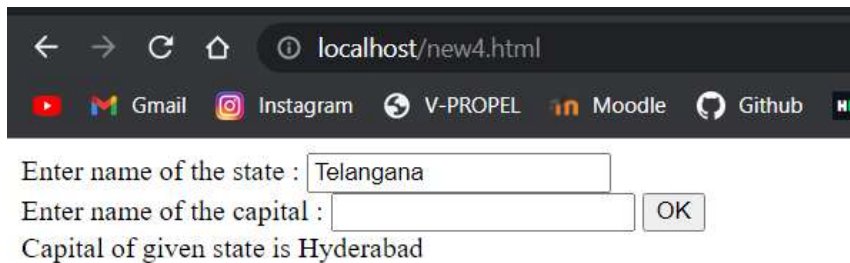
```

if (array_key_exists($input, $states)) {
    echo "Capital of given state is " . $states[$input];
}
if (!array_key_exists($input, $states)) {
    $states += [$input => $input2];
    echo "Array has been updated";
    print_r($states);
}

```

?>

Output



Thank you ma'am

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