**Select in form:**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | <select name="book"> | |  | <option>Paul Giel</option> | |  | <option>Kevin McHale</option> | |  | </select> | |

**Table in HTML**:

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| <table>  <!-- header for the calender -->  <thead>  <tr>  <th>WeekDay</th>  <th colspan="2">Course Details</th>  </tr>  </thead>  <!-- Monday -->  <tr>  <td>Monday</td>  <!-- CSCI 4131 -->  <td><em>11:15-12:30pm</em><br/>  <a href="https://ay15.moodle.umn.edu/course/view.php?id=13093" target="\_blank">CSCI 4131</a><br/>  Amunson Hall 350  </td>  </tr>  </table>  %get onclick on the button tag  <button id="button8" onclick="renderImage(event,1)">picture</button> |

**Google Map initiation and Info Window**:

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| var map;  function initMap() {    var myLatLng = {lat: 44.977276, lng:-93.232266};  map = new google.maps.Map(document.getElementById('map'), {  center: myLatLng,  zoom: 16  });    var contentString = '<div id="content">' +  '<div id="bodyContent">' +  "Here is:" +  '<p> Admunson Hall <p>' +  '</div>' +  '</div>';  var infowindow = new google.maps.InfoWindow({  content: contentString  });    var aLL = {lat: 44.9739602, lng:-93.2330897};    var marker = new google.maps.Marker({  position: aLL,  map: map,  title: 'Hello World!'//this is when we hover the mouse on the marker  });    marker.addListener('click', function() { infowindow.open(map,marker); });    } |

**Google Map with Geocoder**:

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| var marker2;  var infowindow2;  function initMap() {  var myLatLng = {lat: 44.977276, lng: -93.232266};  /\* Create a map and place it on the div \*/  var map = new google.maps.Map(document.getElementById('map'), {  zoom: 16,  center: myLatLng  });  var geocoder = new google.maps.Geocoder(); // Create a geocoder object  var location = "Smith Hall, MN"; // This is the location we will search for using the geocoder  /\* For your Homework assignment 4, you will have to create the code to return the value of  the address entered in an input text box when the submit button is clicked  \*/  geocodeAddress(geocoder, map, location);  }  function geocodeAddress(geocoder, resultsMap, address) {    geocoder.geocode({'address': address}, function(results, status) {  if (status === google.maps.GeocoderStatus.OK) {  resultsMap.setCenter(results[0].geometry.location);  marker2 = new google.maps.Marker({  map: resultsMap,  position: results[0].geometry.location,  title:address  });  infowindow2 = new google.maps.InfoWindow({  content: address  });    google.maps.event.addListener(marker2, 'click', createWindow(resultsMap,infowindow2, marker2));  } else {  alert('Geocode was not successful for the following reason: ' + status);  }  });  }  function createWindow(rmap, rinfowindow, rmarker){  return function(){  rinfowindow.open(rmap, rmarker);  }  } |

**Javascript with DOM**:

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| <script type='text/javascript' src="AdRotator.js"></script>  **% set the style through DOM**  document.getElementById("myDiv")  myDiv = document.createElement("div");  myDiv.setAttribute("id","myDiv");  myStyle = myDiv.style;  myStyle.left=x\_pos.toString()+"px";  **% create the node and append**  imageNode = document.createElement("img");  imageNode.setAttribute("id","image");  myDiv.appendChild(imageNode);  **%get element by className**  document.getElementsByClassName("banner")[0]; |

**Javascript**:

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| %**遍历数组**  for(var i in arr1){  console.log(arr1[i]);  }  %**sort**  users.sort(function(a,b){  if(a.name>b.name)return 1;  if(a.name<b.name)return -1;  return 0;  });  ％**遍历数组创建list**  fruits = ["Banana", "Orange", "Apple", "Mango"];  fLen = fruits.length;  text = "<ul>";  for (i = 0; i < fLen; i++) {  text += "<li>" + fruits[i] + "</li>";  }  text += "</ul>";  document.getElementById("demo").innerHTML = text;  **%创建数组**  var arr = new Array(4);//只是定义了数组，随后还需要初始化  var arr =[‘a’,’b’];  var arr=new Array(‘a’,’b’);  **%for in 遍历object**  var obj1={  x:1,  y:2,  };  for(var p in obj1){  alert(obj1[p]);  } |

**jQuery**:

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| <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"></script>  %**ready function**  $(document).ready(function(){  $("#nextOrange").click(function(){  nextButton();  });    $("#prevOrange").click(function(){  preButton();  });  });  %**different selectors**  $(this).hide() - hides the current element.  $("p").hide() - hides all <p> elements.  $(".test").hide() - hides all elements with class="test".  $("#test").hide() - hides the element with id="test"  $("p").click(function(){   // action goes here!! }); |

**Ajax**:

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| var ajax;  //Ajax when we mouse hover the address  function loadPicture(event,url){  ajax = new XMLHttpRequest();  ajax.open("GET",url,true);  ajax.send(null);  ajax.onreadystatechange=function(){  if(ajax.readyState == 4 && ajax.status == 200){  renderImage(event,url);  }};  } |

**php with json**:

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| $stringA = file\_get\_contents("pointsA.json");  $json\_a = json\_decode($stringA, true);  $location\_a = $json\_a["locations"];  %**get the size of json object**  $num\_location = sizeof($location\_a);  $inf\_num = sizeof($location\_a[0]);  % **convert string to float value**  $lat\_b = floatval($location\_b[$x]["lat"]);  %**pass json object from php to javascript**  $to\_javascript = array();  $to\_javascript["center"] = $json\_center["center"];  //in javascipt  obj = JSON.parse('<?php echo json\_encode($to\_javascript); ?>'); |

**php arrays**:

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| **%创建数组**  //**数组下标从0开始**  $arr=array(1,1.2,true,'king',null);  //**手动指定数组下标**  $arr=array(  12=>'aaa',  15=>'bbb',  );  //**通过混合数组**  $arr=array(  1,2,3,4,5,  'username'=>'麦子学院',  'desc'=>'最大IT职业教育在线平台'  );  ％**unset**  unset($arr['sex'],$arr['username']);  unset($arr);  **%遍历数组**  **// key->value**  $i=1;  foreach($arr as $key=>$val){  echo '遍历数组第'.$i.'次的结果为：<br/>';  echo '键名='.$key.'--键值='.$val.'<br/>';  $i++;  }  //**value**  foreach($userInfo as $val){  print\_r($val);  echo '<hr/>';  } |

**php handle with form**:

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| <form id="myForm" action = "tianx253.php" method="get">  <input type="radio" name="categories" value="art\_gallery" />Arts<br>  %**range for input**  <input type="range" name="slider" id="slider" min="0" max="3000" step="100" value="<?php  echo $\_GET['slider'];  ?>"  onchange="updateText(this.value);"/><br>  %**text for input**  <input type="text" value="<?php if(isset($\_GET['slider'])) echo $\_GET['slider']?>  " id="showText" name='showText' disabled="true"/><br>  </form>  %**php side**  if(isset($\_GET['slider'])){  if(!is\_null($\_GET['categories']) && $\_GET['lati'] !== '' && $\_GET['long'] !== ''){  $categories = $\_GET['categories'];  $lati = $\_GET['lati'];  $long = $\_GET['long'];  $radius = $\_GET['slider'];  $jsonurl = "https://maps.googleapis.com/maps/api/place/nearbysearch/json?location=".$lati.','.$long.'&radius='.$radius.'&type='.$categories."&key=AIzaSyCiKgZ43xvIdGUtvv1TCZgMOzjwNC1X290";  %**get the json string given url**  $str = file\_get\_contents($jsonurl,0,null,null);  %**parse the json string**  $json = json\_decode($str);  // **store the results in the corresponding array in php,store in fly**  foreach ($json->results as $res) {  $lat[] = $res->geometry->location->lat;  $lng[] = $res->geometry->location->lng;  $name[] = $res->name;  $icon[] = $res->icon;  } |

**php MySQL database**:

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| %**create table**  $con= mysqli\_connect('egon.cs.umn.edu','S16CS4131U107','14782','S16CS4131U107','3307');  if (mysqli\_connect\_errno())  {  echo "Failed to connect to MySQL: " . mysqli\_connect\_error();  }  $sql="CREATE TABLE log\_table(acc\_id INT NOT NULL AUTO\_INCREMENT,  acc\_name VARCHAR(20),  acc\_login VARCHAR(20),  acc\_password VARCHAR(50),  PRIMARY KEY (acc\_id));";  if (mysqli\_query($con,$sql))  {  echo "<h1> Table log\_table created successfully </h1>";  }  else  {  echo "<h1> Error creating table: <h1>" . mysqli\_error($con);  }  mysqli\_close($con);  %**insert values in database**  mysqli\_query($con,"INSERT INTO log\_table (acc\_name, acc\_login, acc\_password) VALUES ('Jim Smith', 'Smitty', '". sha1($str1)."');");  %**遍历query 的结果**  **$sql\_query = 'SELECT \* FROM log\_table WHERE acc\_login=\' '.$login.'\' LIMIT 1;';//import,使用\进行转义**  $users = $conn->query($sql\_query);  if ($users->num\_rows > 0) {  while($row = $users->fetch\_assoc()) {  if($row['acc\_login'] == $add\_login){  $flag = 1;  }}}  %**another method of query database**  $db->query($query) |

**Php SESSION**:

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| session\_start();  if( empty($\_SESSION['login']) || empty($\_SESSION['password']) || empty($\_SESSION['name']))  {  header('Location:login.php');  exit();  }  %**include other file once**  include\_once('databaseHW8S16.php');  %**unset the session**  session\_unset(); |