

Name : Yasir Soomro

Roll No: 2017-IT-99

Date : 18-feb-2021

Assignment : fundamental of mobile and pervasive computing

Submit to sir Kamran Taj;

Source code (HTML file):

```
<html>
<body>

<p>Click the button to get your coordinates.</p>

<button onclick="getLocation()">Try It</button>

<p id="demo"></p>

<script>
var x = document.getElementById("demo");

function getLocation() {
  if (navigator.geolocation) {
    navigator.geolocation.watchPosition(showPosition);
  } else {
    x.innerHTML = "Geolocation is not supported by this browser.";
  }
}

function showPosition(position) {
  x.innerHTML="Latitude: " + position.coords.latitude +
  "<br>Longitude: " + position.coords.longitude;

  //var locAPI
  ="https://maps.googleapis.com/maps/api/js?latlng="+position.coords.latitude+", "+position.coords.longitude+"key=
  AIzaSyADC0cukIRnJIdmneLHja8gg3ESpII29WM&sensor=true";
  //x.innerHTML = locAPI;

  //<iframe
  src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3603.597918959213!2d68.26428401488876!3
  d25.41826632893387!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x394c79699805370b%3A0x269a5
  08c0bc6a24b!2sUniversity%20of%20Sindh!5e0!3m2!1sen!2s!4v1613428769015!5m2!1sen!2s" width="600"
  height="450" frameborder="0" style="border:0;" allowfullscreen="" aria-hidden="false" tabindex="0"></iframe>

}
</script>
<section>
<iframe
  src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3603.597918959213!2d68.26428401488876!3
  d25.41826632893387!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x394c79699805370b%3A0x269a5
  08c0bc6a24b!2sUniversity%20of%20Sindh!5e0!3m2!1sen!2s!4v1613428769015!5m2!1sen!2s" width="100%"
  height="450" frameborder="0" style="border:0;" allowfullscreen="" aria-hidden="false" tabindex="0"></iframe>
</section>

<section>
<div class="input">
  <input type="text" placeholder="Enter the city" class="input_text">
  <input type="submit" value="Submit" class="submit">
</div>
```

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```
<div class="container">
  <div class="card">
    <h1 class="name" id="name"></h1>
    <p class="temp"></p>
    <p class="clouds"></p>
    <p class="desc"></p>
  </div>
</div>
</section>

<div style="text-align:center;padding:1em 0;"> <h2><a style="text-decoration:none;"
href="https://www.zeitverschiebung.net/en/country/pk"><span style="color:gray;">Current local time in</span><br
/>Pakistan</a></h2> <iframe src="https://www.zeitverschiebung.net/clock-widget-iframe-
v2?language=en&size=large&timezone=Asia%2FKarachi" width="100%" height="140" frameborder="0"
seamless></iframe> </div>

<a href="https://www.facebook.com" target="blank">Goto Facebook profile</a>

</body>
</html>
```

Source code (Javascript file):

```
var input = document.querySelector('.input_text');
var main = document.querySelector('#name');
var temp = document.querySelector('.temp');
var desc = document.querySelector('.desc');
var clouds = document.querySelector('.clouds');
var button= document.querySelector('.submit');

button.addEventListener('click', function(name){
  fetch('https://api.openweathermap.org/data/2.5/weather?q='+input.value+'&appid=50a7aa80fa492fa92e874d23ad061374')
  .then(response => response.json())
  .then(data => {
    var tempValue = data['main']['temp'];
    var nameValue = data['name'];
    var descValue = data['weather'][0]['description'];

    main.innerHTML = nameValue;
    desc.innerHTML = "Desc - "+descValue;
    temp.innerHTML = "Temp - "+tempValue;
    input.value = "";

  })

  .catch(err => alert("Wrong city name!"));
})
```