<!DOCTYPE html>

<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.getCurrentPosition(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;

}

</script>

</body>

</html>

Addon:

function showError(error) {

switch(error.code) {

case error.PERMISSION\_DENIED:

x.innerHTML = "User denied the request for Geolocation."

break;

case error.POSITION\_UNAVAILABLE:

x.innerHTML = "Location information is unavailable."

break;

case error.TIMEOUT:

x.innerHTML = "The request to get user location timed out."

break;

case error.UNKNOWN\_ERROR:

x.innerHTML = "An unknown error occurred."

break;

}

}

function showPosition(position) {  
  var latlon = position.coords.latitude + "," + position.coords.longitude;  
  
  var img\_url = "https://maps.googleapis.com/maps/api/staticmap?center=  
  "+latlon+"&zoom=14&size=400x300&sensor=false&key=YOUR\_KEY";  
  
  document.getElementById("mapholder").innerHTML = "<img src='"+img\_url+"'>";  
}

**The getCurrentPosition() Method - Return Data**

The getCurrentPosition() method returns an object on success. The latitude, longitude and accuracy properties are always returned. The other properties are returned if available:

|  |  |
| --- | --- |
| **Property** | **Returns** |
| coords.latitude | The latitude as a decimal number (always returned) |
| coords.longitude | The longitude as a decimal number (always returned) |
| coords.accuracy | The accuracy of position (always returned) |
| coords.altitude | The altitude in meters above the mean sea level (returned if available) |
| coords.altitudeAccuracy | The altitude accuracy of position (returned if available) |
| coords.heading | The heading as degrees clockwise from North (returned if available) |
| coords.speed | The speed in meters per second (returned if available) |
| timestamp | The date/time of the response (returned if available) |

## Geolocation Object - Other interesting Methods

The Geolocation object also has other interesting methods:

* watchPosition() - Returns the current position of the user and continues to return updated position as the user moves (like the GPS in a car).
* clearWatch() - Stops the watchPosition() method.

The example below shows the watchPosition() method. You need an accurate GPS device to test this (like smartphone):

### Example

<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;   
}  
</script>