

GEOLOCATION GETCURRENTPOSITION API

http://www.tutorialspoint.com/html5/geolocation_getcurrentposition.htm

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Description

The `getCurrentPosition` method retrieves the current geographic location of the device. The location is expressed as a set of geographic coordinates together with information about heading and speed. The location information is returned in a `Position` object.

Syntax

Here is the syntax of this method –

```
getCurrentPosition(showLocation, ErrorHandler, options);
```

Parameters

Here is the detail of parameters –

- **showLocation** – This specifies the callback method that retrieves the location information. This method is called asynchronously with an object corresponding to the **Position** object which stores the returned location information.
- **ErrorHandler** – This optional parameter specifies the callback method that is invoked when an error occurs in processing the asynchronous call. This method is called with the **PositionError** object that stores the returned error information.
- **options** – This optional parameter specifies a set of options for retrieving the location information. You can specify *a* Accuracy of the returned location information *b* Timeout for retrieving the location information and *c* Use of cached location information .

Return value

The `getCurrentPosition` method does not return a value.

Example

```
<!DOCTYPE HTML>
<html>
  <head>

    <script type="text/javascript">

      function showLocation(position) {
        var latitude = position.coords.latitude;
        var longitude = position.coords.longitude;
        alert("Latitude : " + latitude + " Longitude: " + longitude);
      }

      function errorHandler(err) {
        if(err.code == 1) {
          alert("Error: Access is denied!");
        }

        else if( err.code == 2) {
          alert("Error: Position is unavailable!");
        }
      }

      function getLocation(){

        if(navigator.geolocation){
          // timeout at 60000 milliseconds (60 seconds)

```

```
        var options = {timeout:60000};
        navigator.geolocation.getCurrentPosition(showLocation, errorHandler,
options);
    }
    else{
        alert("Sorry, browser does not support geolocation!");
    }
}

</script>

</head>
<body>

    <form>
        <input type="button" onclick="getLocation();" value="Get Location"/>
    </form>

</body>
</html>
```

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