

The following is an HTML file. Answer the questions by indicating where in the code you would make changes and the changes that you would make.

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Assessment #2</title>
7  </head>
8  <link rel="stylesheet" href="https://unpkg.com/leaflet@1.9.4/dist/leaflet.css"
9      integrity="sha256-p4NxAoJBhIIN+hmnHrzRCf9tD/miZyoHS5obTRR9BMY=" crossorigin="" />
10 <script src="https://unpkg.com/leaflet@1.9.4/dist/leaflet.js"
11     integrity="sha256-20nQCchB9co0qIjJZRGuK2/Z9VM+kNiyxNV1vTlZBo=" crossorigin=""></script>
12
13 <style>
14     #map { height: 500px; }
15
16 </style>
17
18 <body>
19
20
21
22     <div id="map"></div>
23
24     <script>
25
26         var map = L.map('map').setView([35.911276,-79.05004], 17);
27
28         var data = {
29             "type": "FeatureCollection",
30             "features": [
31                 {
32                     "type": "Feature",
33                     "geometry": {
34                         "type": "Point",
35                         "coordinates": [-73.9857, 40.7484]
36                     },
37                     "properties": {
38                         "name": "Times Square",
39                         "city": "New York",
40                         "country": "USA"
41                     }
42                 },
43                 {
44                     "type": "Feature",
45                     "geometry": {
46                         "type": "Point",
47                         "coordinates": [2.2945, 48.8584]
48                     },
49                     "properties": {
50                         "name": "Eiffel Tower",
51                         "city": "Paris",
52                         "country": "France"
53                     }
54                 }
55             ]
56         }
57
58     </script>
59
60 </body>
61 </html>

```

Name:

Assessment #2 GEOG456

Questions:

1. If you wanted to add a H1 element above the map div with the text New York Times hyperlinked to www.nytimes.com, how would you do that?
2. What changes need to be made to change the map center to be New York instead of UNC?
3. What changes need to be made to make a marker over the Eiffel Tower using leaflet?
4. What changes need to be made to create a variable called myCity that has the value of the property city of the first feature in *data*?
5. What changes need to be made to create a variable named myLon that is the longitude of New York using JS dot notation to get the value from variable *data*?
6. How would you create a variable called myCoord that is an array that has the latitude and longitude for NYC using the variable *data* and the JS dot notation?
7. How would you create a variable called myFeatures that contains an array of the features in variable *data*?
8. How would you change the background color to red on the HTML body?
9. How would you change the width of the map div to 400px?
10. What is the purpose of line 8 in the code?