

## Practical-4

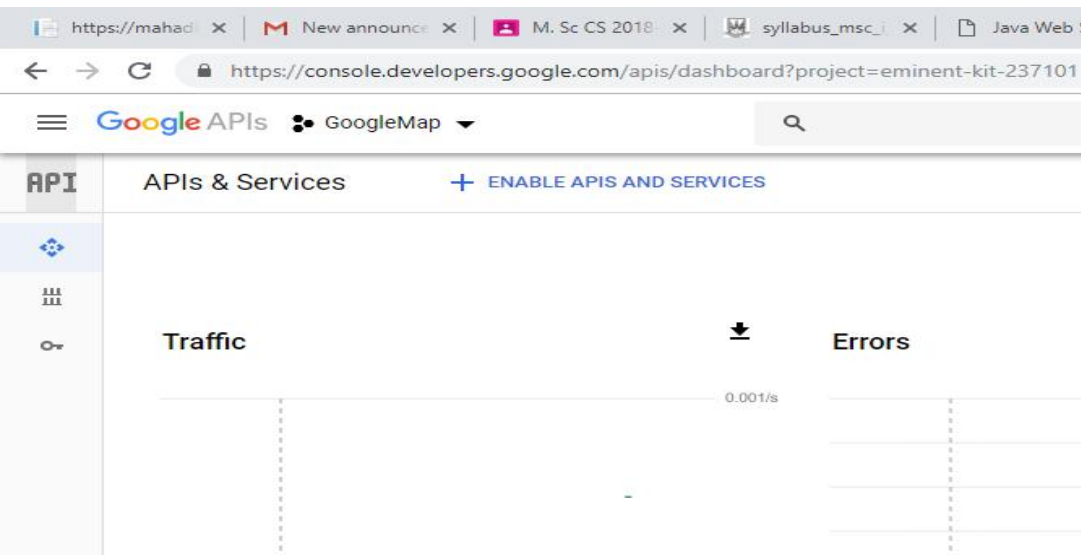
Develop application to consume Google's search / Google's Map RESTful Web service.

- Develop application to consume Google's search / Google's Map RESTful Web service.
1. First of all we need to create an Java Web Application with any name, let it be GoogleMap here using Netbeans IDE.

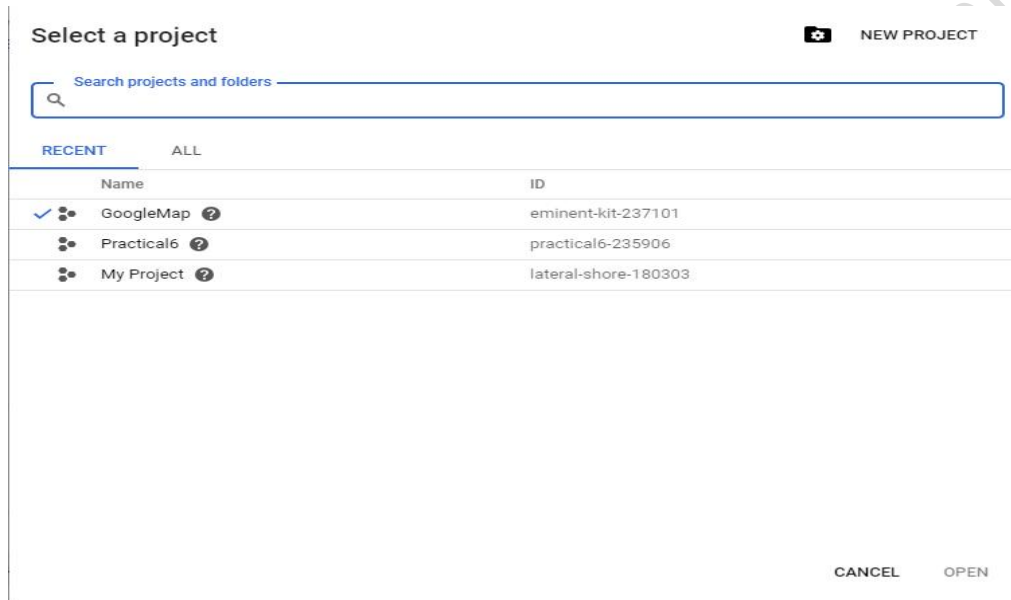
2. The code inside the input.jsp will be similar to this input.jsp Input.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
  <title>JSP Page</title>
</head>
<body>
  <form action="index.jsp">
    <pre>
      Enter latitude:<input type="text" name="t1" />
      Enter longitude:<input type="text" name="t2" />
      <input type="submit" value="Show" />
    </pre>
  </form>
</body>
</html>
```

3. Before running the application we need the Google API key. The steps are shown here: - Visit Google APIs Console (<https://console.developers.google.com>, you have to login with your Google account).



- Create a new API Project.




- Enter the name to your project.

https://mahad... x | New announce... x | M. Sc CS 2018... x | syllabus\_msc... x | Java Web Serv... x

https://console.developers.google.com/projectcreate?previousPage=%2Fapis%2Fdashboard

Google APIs


### New Project

 You have 7 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project name \*

Project ID: zeta-environs-237517. It cannot be changed later. [EDIT](#)

Location \*  
 No organization [BROWSE](#)

Parent organization or folder

[CREATE](#) [CANCEL](#)


- Enable the Google Maps API V3.

https://mahad... x | New announce... x | M. Sc CS 2018... x | syllabus\_msc... x | Java Web Serv... x | Microsoft Wor... x | (19) Alan V...

https://console.developers.google.com/apis/library/maps-backend.googleapis.com?id=fd73ab50-9916-4cde-a0f6-dc8be0a0d425&q

Google APIs GoogleMap


### API Library



#### Maps JavaScript API

Google

Maps for your website

[MANAGE](#)  API enabled

Type  
[APIs & services](#)

Last updated  
1/10/19, 2:02 AM

Category  
[Maps](#)

Service name  
maps-backend.googleapis.com

#### Overview

Add a map to your website, providing imagery and local data from the same source as Google Maps. Style the map to suit your needs. Visualize your own data on the map, bring the world to life with Street View, and use services like geocoding and directions.

#### About Google

Google's mission is to organize the world's information and make it universally accessible and useful. Through products and platforms like Search, Maps, Gmail, Android, Google Play, Chrome and YouTube, Google plays a meaningful role in the daily lives of billions of people.

#### Tutorials and documentation

4. Create another file index.jsp

**Index.jsp**

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
#map {
    height: 400px;
    width: 100%;
}

</style>
</head>
<body>
    <%
        double lati=Double.parseDouble(request.getParameter("t1"));
        double longi=Double.parseDouble(request.getParameter("t2"));
    %>
    <h3> Google Maps </h3>
    <div id="map"></div>
    <script lang="javascript">
        function initMap() {
            var info={lat: <%=lati%>, lng: <%=longi%>};
            var map = new google.maps.Map(document.getElementById('map'),
                {
                    zoom: 4, center: info
                });
            var marker = new google.maps.Marker({
                position: info,
                map: map
            });

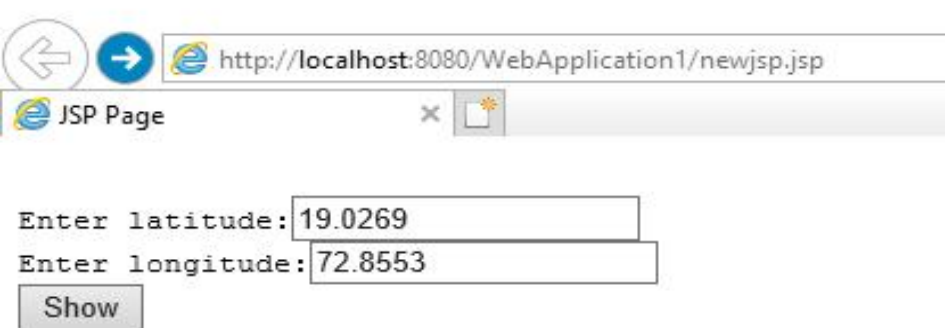
        }
    </script>
    <script async defer
        src="put your key here">
```

</script>

</body>

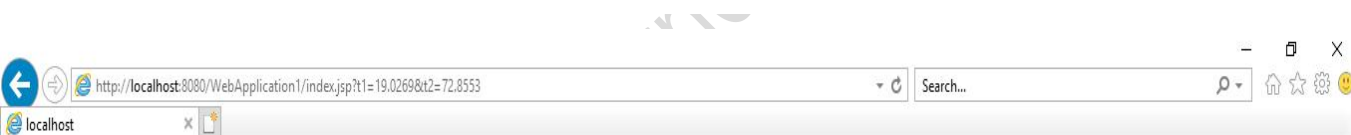
</html>

## Output :-



Enter latitude:

Enter longitude:



## Google Maps

