

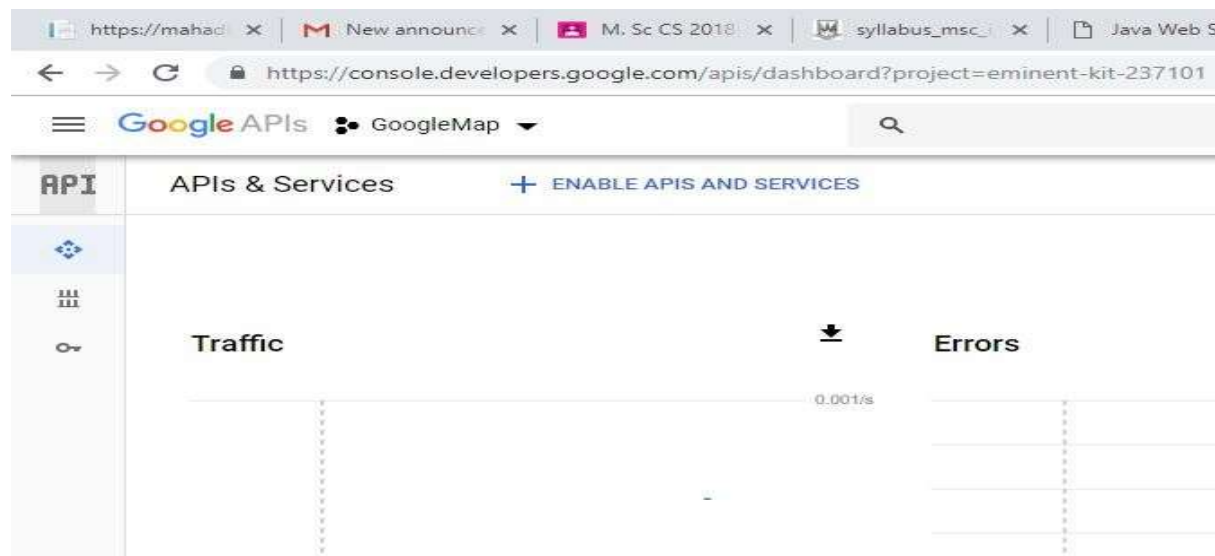
Practical - 4

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.

- Enable the Google Maps API V3.

Type	Last updated	Category	Service name	Overview	About Google	Tutorials and documentation
APIs & services	1/10/19, 2:02 AM	Maps	maps-backend.googleapis.com	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.	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.	

4. Create another file index.jsp

Index.jsp

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>Google Maps</title>
```

```
<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="https://maps.googleapis.com/maps/api/js?key=YOUR_API_KEY&callback=initMap"></script>  
</body>
```

Output :-



Enter latitude:

Enter longitude:



Google Maps



```
</html>
```