Practical - 4

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

STEPS:

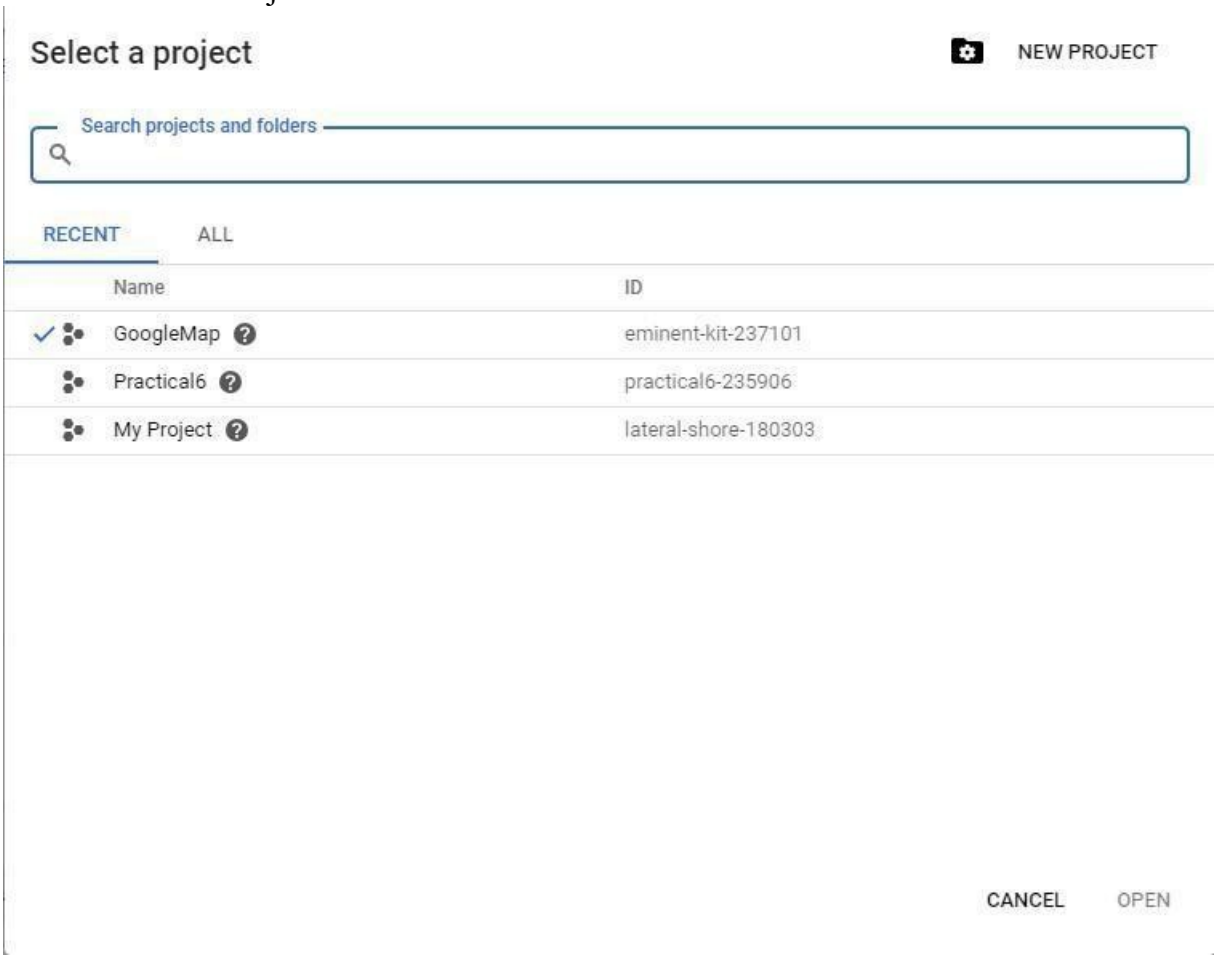
1. First of all we need to create a Java Web Application with any name, let it be GoogleMap here using Netbeans IDE.
2. The code inside the input.jsp will be similar to this input.jsp Input.jsp

```
<%@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>
```

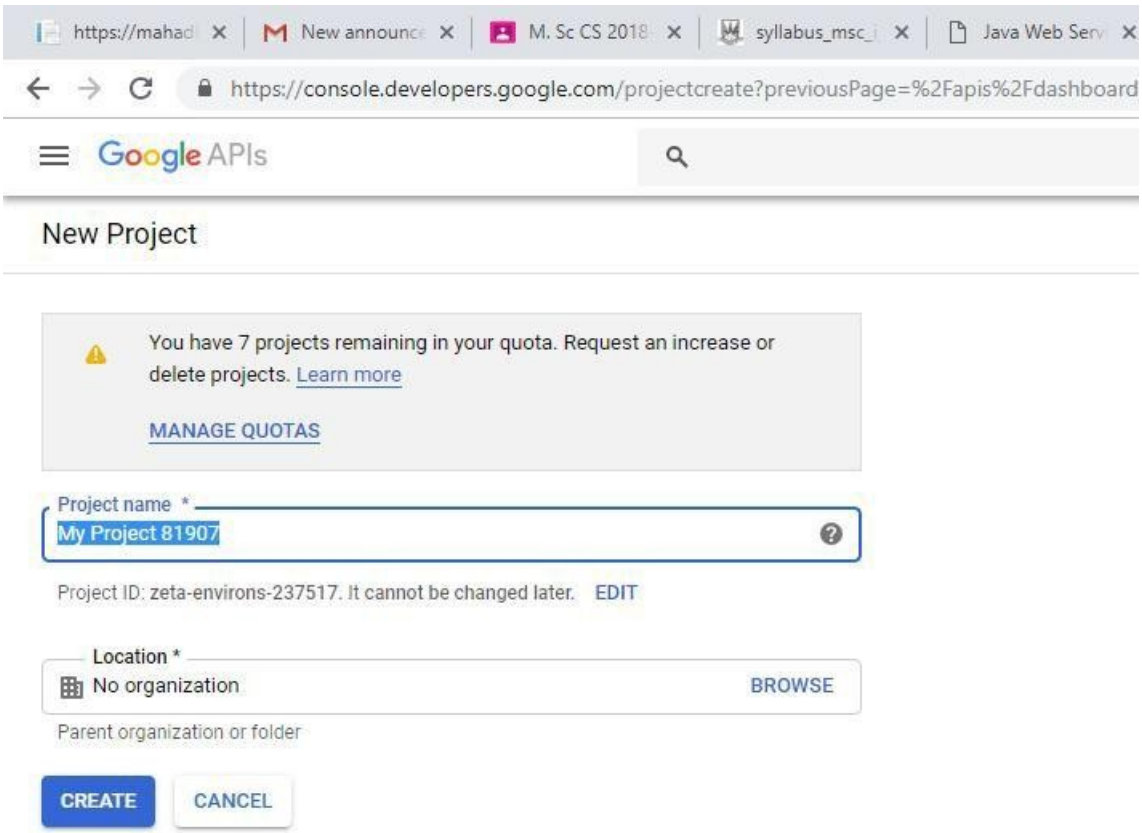
3. Before running the application we need the Google API key. The steps are shown here:

- Visit Google APIs Console (https://console.developers.google.com, you have to login with your Google account)

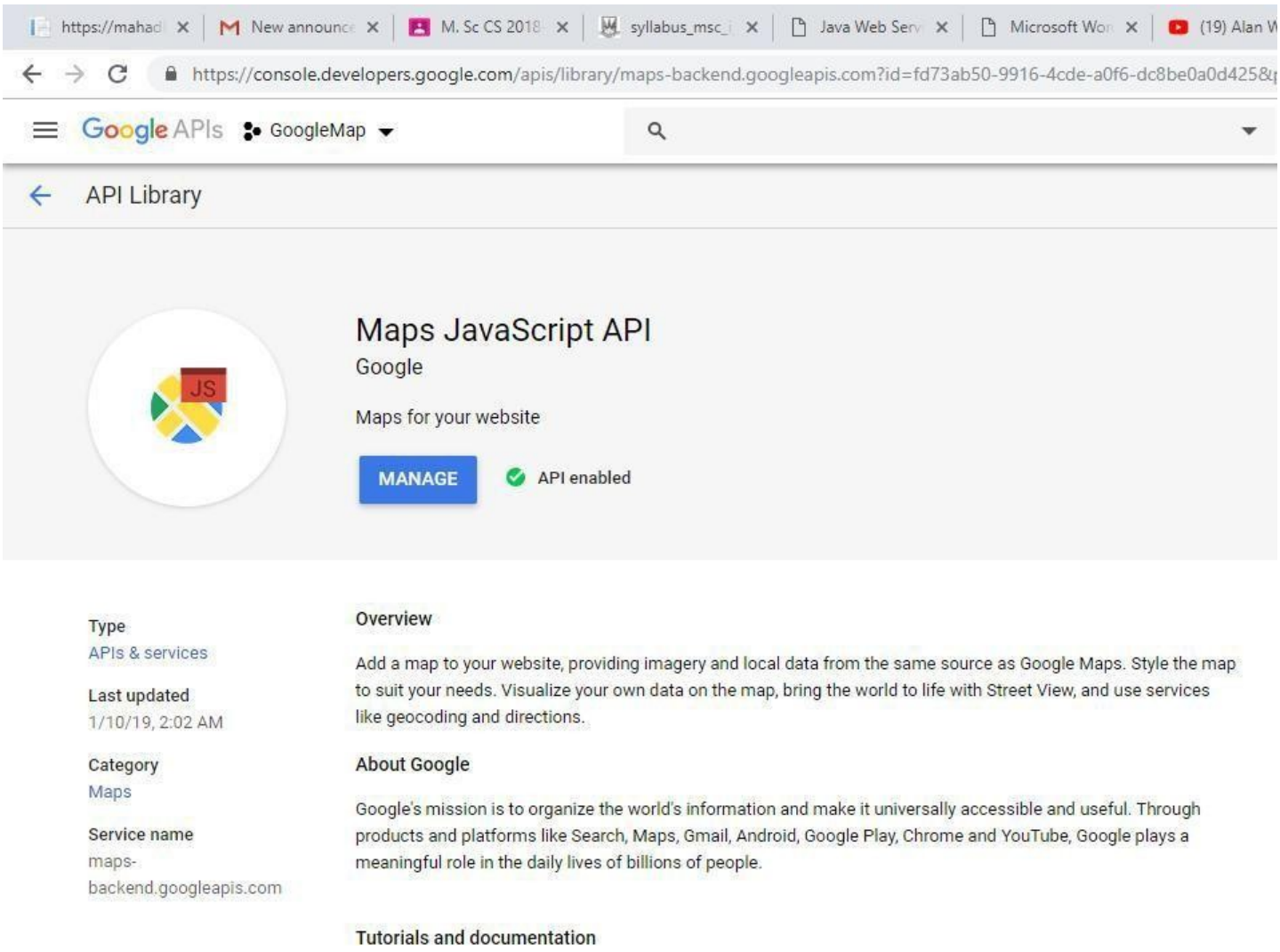
Create a new API Project.



- Enter the name to your project.



- Enable the Google Maps API V3.



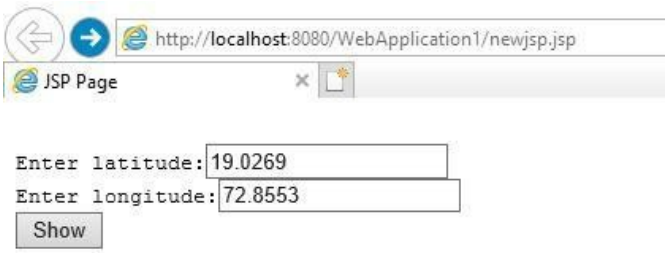
4. Create another file index.jsp

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 :-



http://localhost:8080/WebApplication1/index.jsp?t1=19.0269&t2=72.8553

Search...

localhost

Google Maps