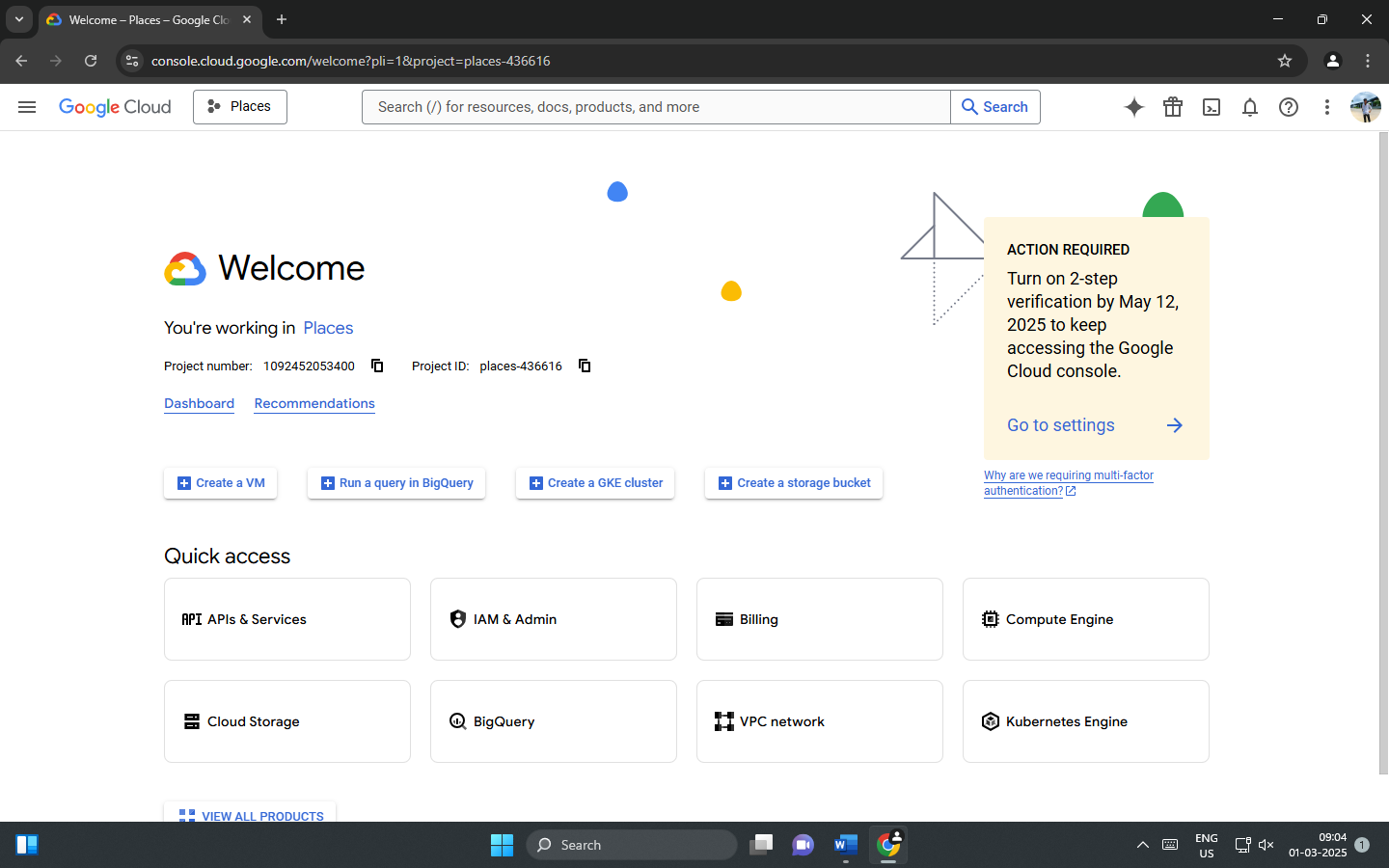
**Practical No : 4**

**Aim : Develop application to consume google search/google map RESTFUL Web Service**

* **Steps:**

1. Open Chrome and sign in with your respected gmail account
2. Open console.cloud.google.com



1. Click on Navigation then Click on API’s and services

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1. Select Library > Select Places API > Right Click On It > Select Open Link in New Tab

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1. Click on Enable

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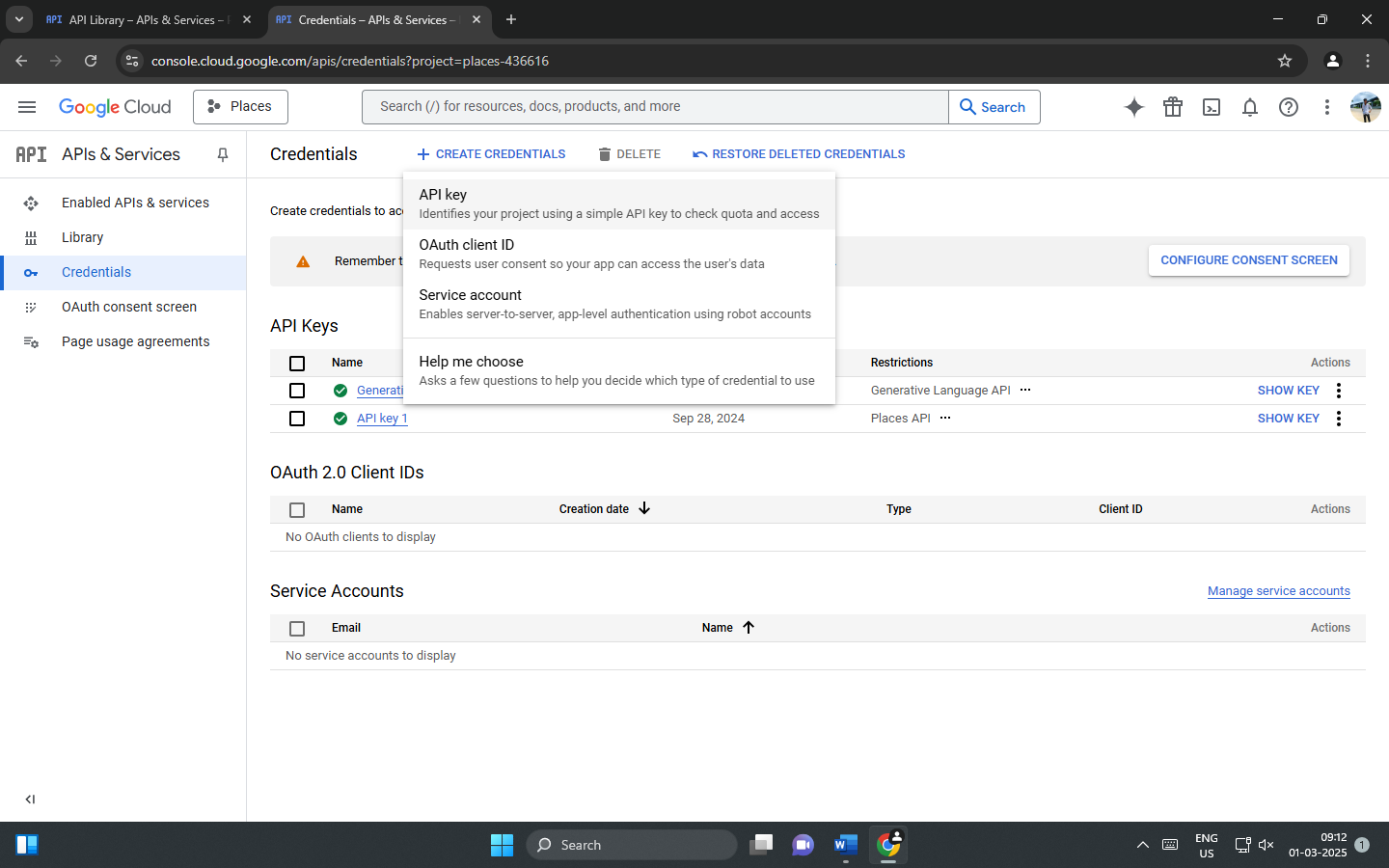
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1. Then close new enable tab
2. Go to Navigation > Select APIs & Services > Select Credentials

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1. Select ‘+ Create Credentials’ > Then Select API Key > In API Keys you can see api key is created > then minimize the broswer



1. Open Netbeans > New Project > Java Web > Java Web Application > Click Next

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1. Name project as ‘googlemap’ > Click ‘Next

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1. Select Server ‘Apache Tomcat 8.0.27.0’ > Finish

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1. In the Files > Right click on created folder ‘googlemap’ > Select New > Select JSP

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1. Give file name ‘mapjsp’ > Click Finish

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1. Type code in ‘mapjsp.jsp’ :

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

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Google Map</title>

</head>

<body>

<h1>Map Integration</h1>

<div id="map" style="width:100%;height: 400px"></div>

<script>

function gmap(){

var mapCanvas = document.getElementById("map");

var mapOption = {

center: new google.maps.LatLng(51.5, -0.2), // Added missing comma

zoom: 10

};

var map = new google.maps.Map(mapCanvas, mapOption);

}

</script>

<script

src="https://maps.googleapis.com/maps/api/js?key=AIzaSyBYdmI8sJPOOumDwQ5N0TcLLYT-aI8mWGQ&libraries=places&callback=gmap"

defer>

</script> <!-- Added missing closing script tag -->

</body>

</html>

1. In Project > Right click on project name ‘googlemap’ > Clean and Build

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1. Again right click on project ‘googlemap’ > Select ‘Run’

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1. It will open browser with default address ‘localhost:8084/googlemap’ > Add ‘localhost:8084/googlemap/mapjsp.jsp’ and press Enter

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