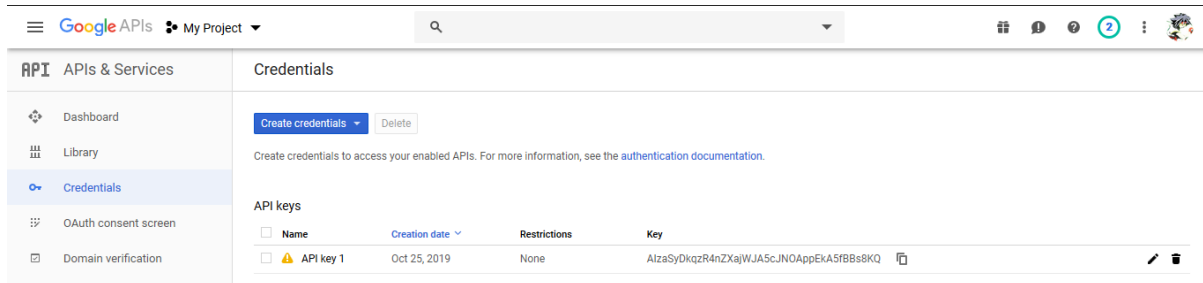# Practical No.: 21

Aim: Android Google Map to Show Current Location

Start a new Android Studio Project → Google Maps Activity

Generate API Key

google_maps_api.xml

```
<resources>
    <string name="google_maps_key" templateMergeStrategy="preserve"
translatable="false">AIzaSyDkqzR4nZXajWJA5cJNOAppEkA5fBBs8KQ</string>
</resources>
```

MapsActivity.java

```java
package com.example.practical_no_21;

import androidx.fragment.app.FragmentActivity;
import android.os.Bundle;
import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;

public class MapsActivity extends FragmentActivity implements OnMapReadyCallback {

    private GoogleMap mMap;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_maps);
        // Obtain the SupportMapFragment and get notified when the map is ready to be used.
        SupportMapFragment mapFragment = (SupportMapFragment) getSupportFragmentManager()
                .findFragmentById(R.id.map);
        mapFragment.getMapAsync(this);
    }




    @Override
    public void onMapReady(GoogleMap googleMap) {
```

```
    mMap = googleMap;

    // Add a marker in Sydney and move the camera
    LatLng currentlocation = new LatLng(19.1876505, 72.9548407);
    mMap.addMarker(new MarkerOptions().position(currentlocation).title("Marker in College"));
    mMap.moveCamera(CameraUpdateFactory.newLatLng(currentlocation));
  }
}
```

Output: