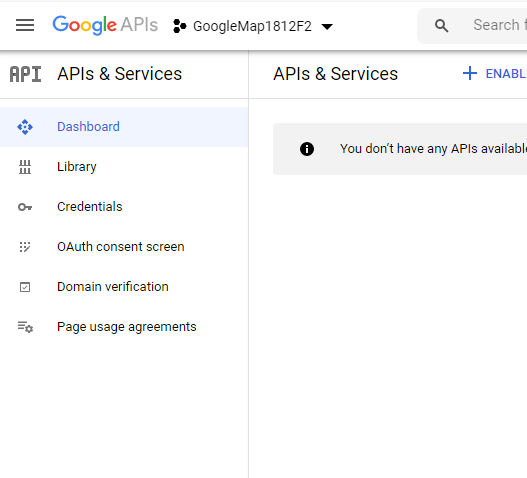
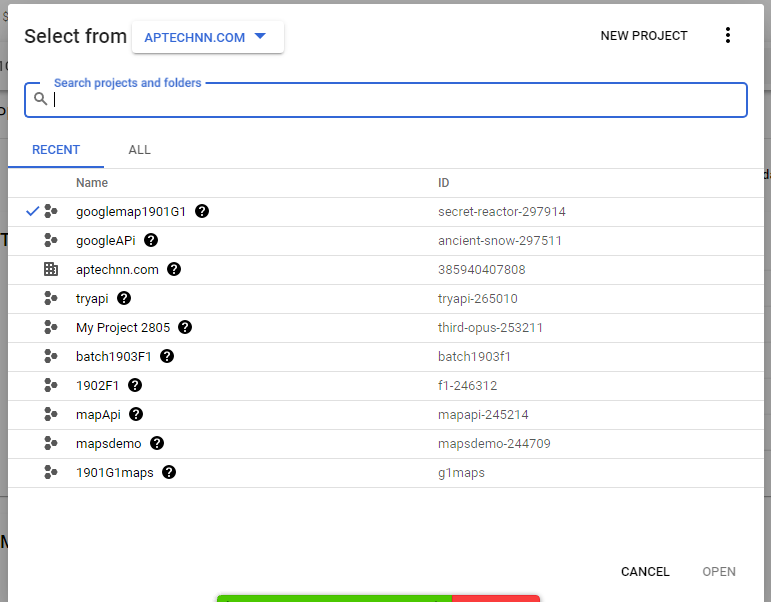
Google Map ->Simple

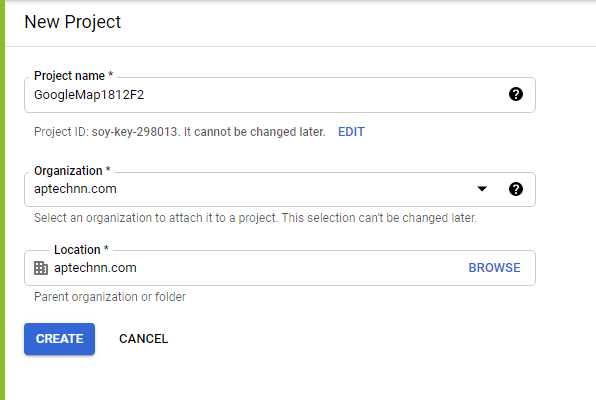
Create API Key: <https://console.developers.google.com/?pli=1>

Create a New Project

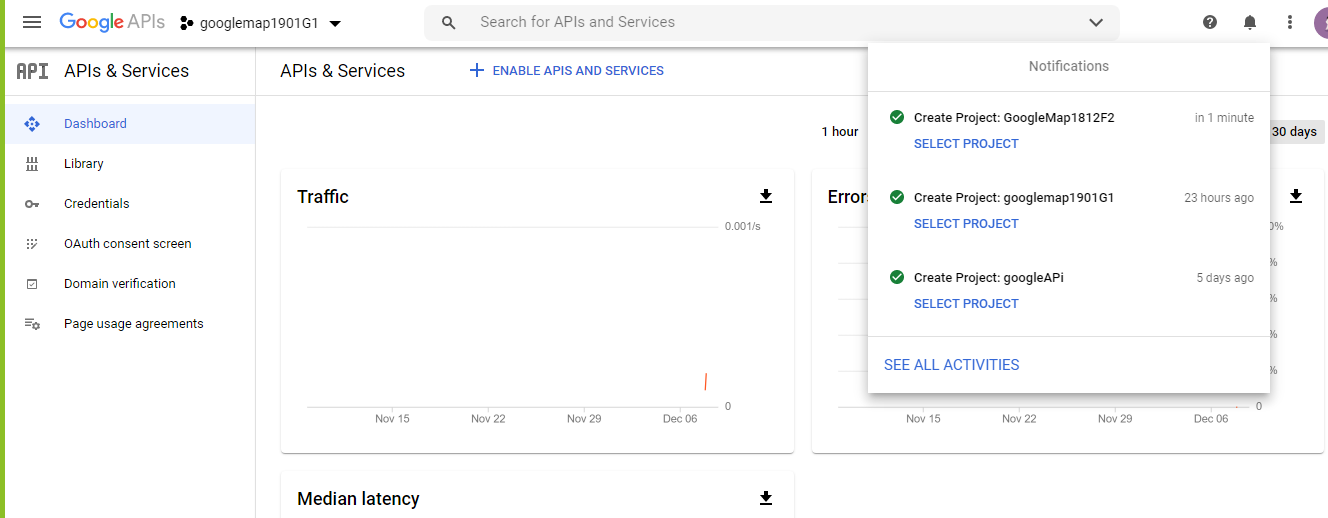




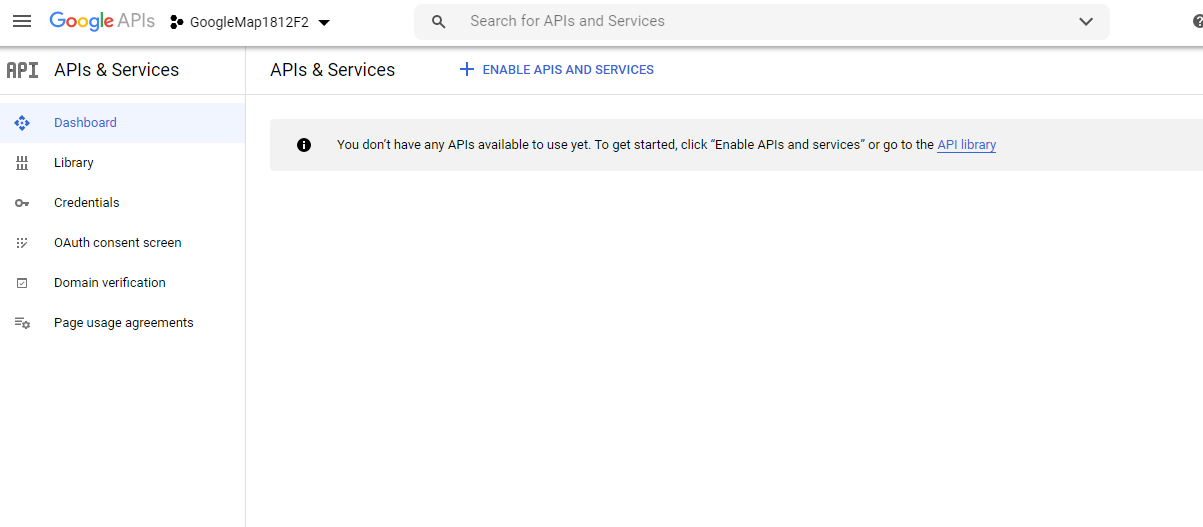
Create a new Project



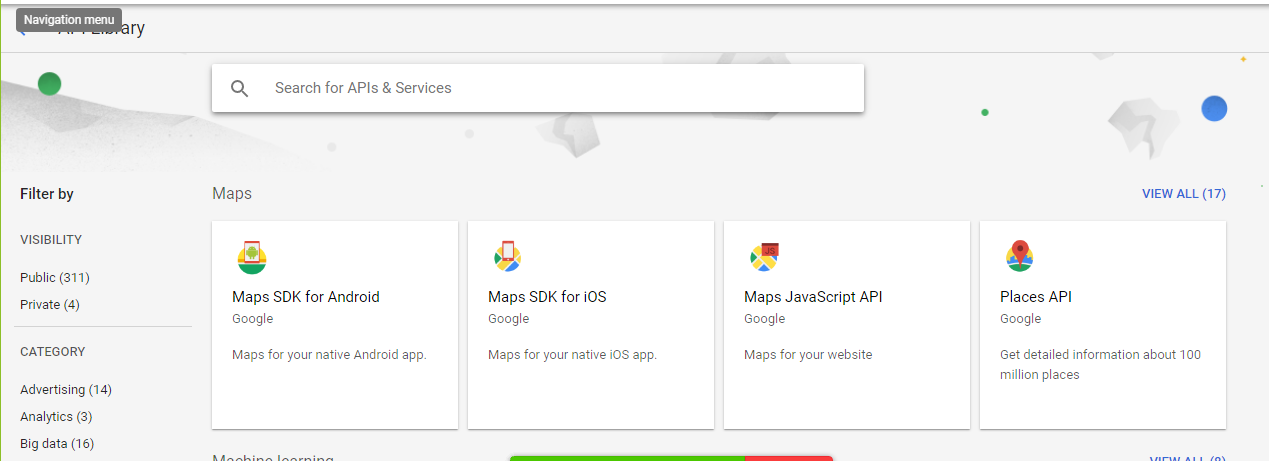
Select your Project.



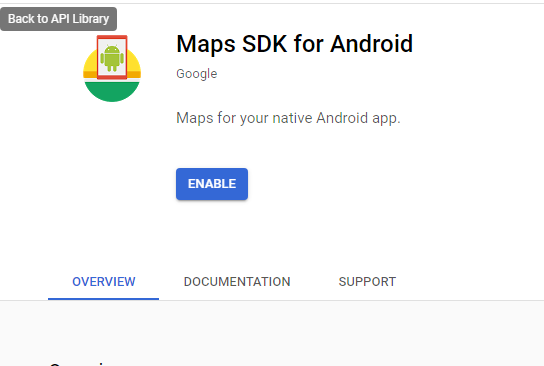
Select Enable API and Services



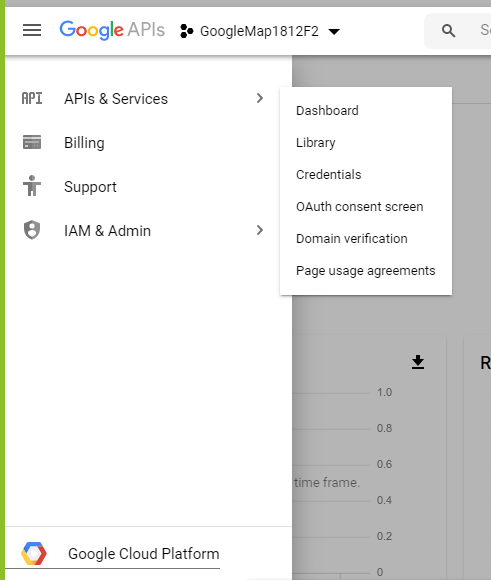
Select map sdk for android.



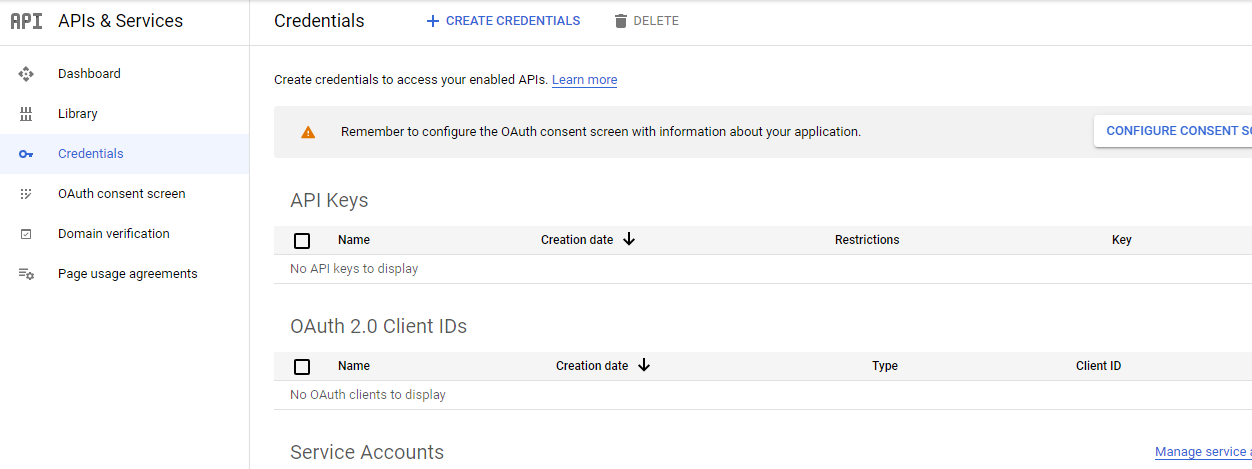
Enable Services:



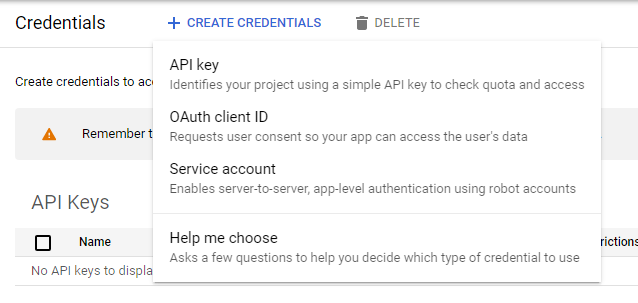
Go to Dashboard



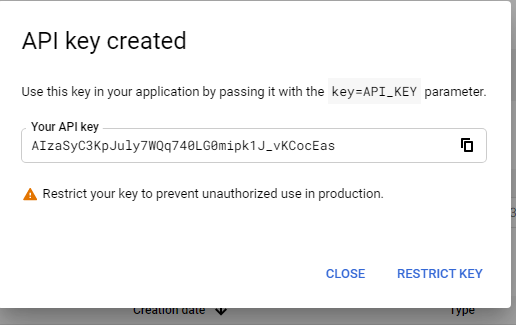
Go to Credential tab



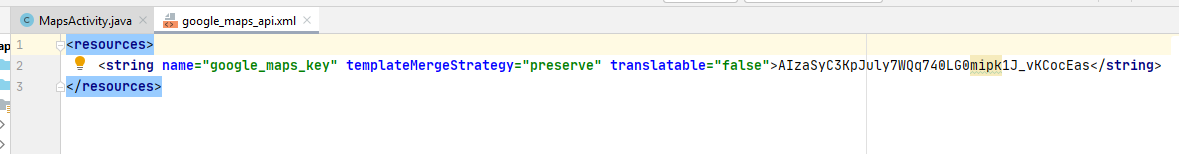
Create credential and select API Key



Copy your Key.



Paste your key



In Manifest.xml

<**uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION"** />  
<**uses-permission android:name="android.permission.ACCESS\_COARSE\_LOCATION"** />  
<**uses-permission android:name="android.permission.INTERNET"** />

MainActivity.java

@Override  
**public void** onMapReady(GoogleMap googleMap) {  
 **mMap** = googleMap;  
  
 *// Add a marker in Sydney, Australia, and move the camera.* LatLng aptechnn = **new** LatLng(24.927558, 67.033067);  
 **mMap**.addMarker(**new** MarkerOptions().position(aptechnn).title(**"Marker in Aptech Computer Eductaion"**));  
 **mMap**.moveCamera(CameraUpdateFactory.*newLatLng*(aptechnn));  
 **mMap**.animateCamera(CameraUpdateFactory.*zoomTo*(18.0f));  
}

GOTO Google Console and Create your Android SDK API and enabled it

<**string name="google\_maps\_key" templateMergeStrategy="preserve" translatable="false"**>AIzaSyAdYl5sPMCD1GC\_A4yZsogPLoQo2lv9jSQ</**string**>

**Get Current Location and Send SMS**

<**uses-permission android:name="android.permission.ACCESS\_NETWORK\_STATE"** />

<**uses-permission android:name="android.permission.SEND\_SMS"** />

In gradle file :

implementation **'com.google.android.gms:play-services-maps:16.1.0'**implementation **'com.google.android.gms:play-services-location:16.0.0'**

**public class** MainActivity **extends** FragmentActivity **implements** LocationListener, OnMapReadyCallback {  
 Location **mlocation**;  
  
 ArrayList<String> **lst**;  
 FusedLocationProviderClient **fuesdLocationProviderClient**;  
 **private static final int *Request\_Code*** = 101;  
 LocationManager **locationManager**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **int** PERMISSION\_ALL = 1;  
 String[] PERMISSIONS = {Manifest.permission.***INTERNET***, Manifest.permission.***ACCESS\_NETWORK\_STATE***, Manifest.permission.***READ\_SMS***, Manifest.permission.***WRITE\_CONTACTS***, Manifest.permission.***ACCESS\_COARSE\_LOCATION***, Manifest.permission.***ACCESS\_FINE\_LOCATION***, Manifest.permission.***SEND\_SMS***};  
  
 **if** (!*hasPermissions*(**this**, PERMISSIONS)) {  
 ActivityCompat.requestPermissions(**this**, PERMISSIONS, PERMISSION\_ALL);  
 }  
  
 **fuesdLocationProviderClient** = LocationServices.getFusedLocationProviderClient(**this**);  
 **locationManager** = (LocationManager) getSystemService(Context.***LOCATION\_SERVICE***);  
  
 GetlastLocation();  
  
 }  
  
 **protected void** onStart() {  
 **super**.onStart(); *// Always call the superclass method first* **boolean** gpsEnabled = **locationManager**.isProviderEnabled(LocationManager.***GPS\_PROVIDER***);  
  
 **if** (!gpsEnabled) {  
  
 Intent intent = **new** Intent(Settings.***ACTION\_LOCATION\_SOURCE\_SETTINGS***);  
 startActivity(intent);  
  
 }  
  
 String provider = **locationManager**.getBestProvider(**new** Criteria(), **false**);  
  
 **if** (ContextCompat.checkSelfPermission(**this**, Manifest.permission.***ACCESS\_FINE\_LOCATION***) == PackageManager.***PERMISSION\_GRANTED***) {  
 **locationManager**.requestLocationUpdates(provider, 400, 1, **this**);  
 }  
  
 GetlastLocation();  
  
  
  
 }  
  
 @Override  
 **protected void** onResume() {  
 **super**.onResume();  
  
 String provider = **locationManager**.getBestProvider(**new** Criteria(), **false**);  
  
 **if** (ContextCompat.checkSelfPermission(**this**, Manifest.permission.***ACCESS\_FINE\_LOCATION***) == PackageManager.***PERMISSION\_GRANTED***) {  
 **locationManager**.requestLocationUpdates(provider, 400, 1, **this**);  
 }  
 GetlastLocation();  
  
 }  
  
 @Override  
 **protected void** onPause() {  
 **super**.onPause();  
 GetlastLocation();  
 **if** (ContextCompat.checkSelfPermission(**this**,  
 Manifest.permission.***ACCESS\_FINE\_LOCATION***)  
 == PackageManager.***PERMISSION\_GRANTED***) {  
 **locationManager**.removeUpdates(**this**);  
 }  
  
 }  
  
  
 @Override  
 **protected void** onRestart() {  
 **super**.onRestart();  
 String provider = **locationManager**.getBestProvider(**new** Criteria(), **false**);  
  
 **if** (ContextCompat.checkSelfPermission(**this**, Manifest.permission.***ACCESS\_FINE\_LOCATION***) == PackageManager.***PERMISSION\_GRANTED***) {  
 **locationManager**.requestLocationUpdates(provider, 400, 1, **this**);  
 }  
  
 GetlastLocation();  
 }  
  
  
 **private static final** String ***TAG*** = **"MainActivity"**;  
  
 **private void** GetlastLocation() {  
 Log.*d*(***TAG***, **"GetlastLocation: "**);  
 Task<Location> task = **fuesdLocationProviderClient**.getLastLocation();  
 task.addOnSuccessListener(**new** OnSuccessListener<Location>() {  
 @Override  
 **public void** onSuccess(Location location) {  
 **if** (location != **null**) {  
 Log.*d*(***TAG***, **"onSuccess: "** + location.getLatitude() + **", "** + location.getLongitude());  
 **mlocation** = location;  
 **final** String lang = String.*valueOf*(**mlocation**.getLongitude());  
 **final** String lonng = String.*valueOf*(**mlocation**.getLatitude());  
 Button buttonX = (Button) findViewById(R.id.***button***);  
  
 buttonX.setOnClickListener(**new** View.OnClickListener() {  
 **public void** onClick(View v) {  
 String phonenumber = **"03201207959"**;  
 String myLatidude = String.*valueOf*(lang);  
 String myLongitude = String.*valueOf*(lonng);  
 Toast.makeText(MainActivity.**this**, myLongitude, Toast.***LENGTH\_SHORT***).show();  
  
 String message = **"http://maps.google.com/maps?q="** + myLongitude + **","** + myLatidude;  
 SmsManager smsManager = SmsManager.*getDefault*();  
 Toast.makeText(MainActivity.**this**, **"contact"** + phonenumber, Toast.***LENGTH\_SHORT***).show();  
 smsManager.sendTextMessage(phonenumber, **null**, message, **null**, **null**);  
 }  
 });  
 Toast.makeText(getApplicationContext(), **mlocation**.getLatitude() + **""** + **mlocation**.getLongitude(), Toast.***LENGTH\_LONG***).show();  
 SupportMapFragment supportMapFragment = (SupportMapFragment) getSupportFragmentManager().findFragmentById(R.id.***map***);  
 supportMapFragment.getMapAsync(MainActivity.**this**);  
 }  
 }  
 });  
 }  
  
  
  
  
  
 **public void** onMapReady(GoogleMap googleMap) {  
 LatLng latLng = **new** LatLng(**mlocation**.getLatitude(), **mlocation**.getLongitude());  
 MarkerOptions markerOptions = **new** MarkerOptions().position(latLng).title(**"you are here"**);  
 googleMap.animateCamera(CameraUpdateFactory.newLatLng(latLng));  
 googleMap.animateCamera(CameraUpdateFactory.newLatLngZoom(latLng, 20));  
 googleMap.addMarker(markerOptions);  
 }  
  
 @Override  
 **public void** onRequestPermissionsResult(**int** requestCode, @NonNull String[] permissions, @NonNull **int**[] grantResults) {  
 **switch** (requestCode) {  
 **case *Request\_Code***:  
  
  
 **if** (grantResults.**length** > 0 && grantResults[0] == PackageManager.***PERMISSION\_GRANTED***) {  
 GetlastLocation();  
 }  
 **break**;  
 }  
 }  
  
 **public static boolean** hasPermissions(Context context, String... permissions) {  
 **if** (android.os.Build.VERSION.***SDK\_INT*** >= Build.VERSION\_CODES.***M*** && context != **null** && permissions != **null**) {  
 **for** (String permission : permissions) {  
 **if** (ActivityCompat.checkSelfPermission(context, permission) != PackageManager.***PERMISSION\_GRANTED***) {  
 **return false**;  
 }  
 }  
 }  
 **return true**;  
 }  
  
 @Override  
 **public void** onLocationChanged(Location location) {  
 Log.*d*(***TAG***, **"onLocationChanged: "** + location.getLatitude() + **", "** + location.getLongitude());  
  
  
 *// GetlastLocation();* }  
  
 @Override  
 **public void** onStatusChanged(String provider, **int** status, Bundle extras) {  
  
 }  
  
 @Override  
 **public void** onProviderEnabled(String provider) {  
 GetlastLocation();  
 }  
  
 @Override  
 **public void** onProviderDisabled(String provider) {  
  
 }  
}

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**fragment  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:id="@+id/map"  
 android:name="com.google.android.gms.maps.SupportMapFragment"**></**fragment**>  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:textColor="#ffffff"  
 android:layout\_marginTop="600dp"  
 android:layout\_marginLeft="300dp"  
  
 android:layout\_height="wrap\_content"  
 android:text="Send Location"** />  
  
</**RelativeLayout**>

For Current Location API

AIzaSyAdYl5sPMCD1GC\_A4yZsogPLoQo2lv9jSQ