Manifest :

<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools">  
  
 <application  
 android:allowBackup="true"  
 android:dataExtractionRules="@xml/data\_extraction\_rules"  
 android:fullBackupContent="@xml/backup\_rules"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.GoogleMapNavigationAndroid"  
 tools:targetApi="31">  
 <activity  
 android:name=".MainActivity"  
 android:exported="true"  
 android:label="@string/app\_name">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 </application>  
  
</manifest>

1. Main.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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:id="@+id/container"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:orientation="vertical"  
 android:padding="20dp"  
  
 android:paddingTop="?attr/actionBarSize">  
  
  
 <EditText  
 android:id="@+id/source"  
 android:layout\_width="348dp"  
 android:layout\_height="82dp"  
 android:autofillHints=""  
 android:hint="enter source location" />  
  
 <EditText  
 android:id="@+id/destination"  
 android:layout\_width="365dp"  
 android:layout\_height="65dp"  
 android:hint="@string/enter\_destination\_location" />  
  
 <Button  
 android:id="@+id/btnSubmit"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="open navigation" />  
  
  
</LinearLayout>

1. Java file

package com.example.googlemapnavigationandroid;  
  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
import com.google.android.material.bottomnavigation.BottomNavigationView;  
  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.navigation.NavController;  
import androidx.navigation.Navigation;  
import androidx.navigation.ui.AppBarConfiguration;  
import androidx.navigation.ui.NavigationUI;  
  
import com.example.googlemapnavigationandroid.databinding.ActivityMainBinding;  
  
public class MainActivity extends AppCompatActivity {  
  
 private ActivityMainBinding binding;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
  
 binding = ActivityMainBinding.*inflate*(getLayoutInflater());  
 setContentView(binding.getRoot());  
  
 EditText editTextSource = findViewById(R.id.*source*);  
 EditText editTextDestination = findViewById(R.id.*destination*);  
 Button button = findViewById(R.id.*btnSubmit*);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 String source = editTextSource.getText().toString();  
 String destination = editTextDestination.getText().toString();  
 if (source.equals("") && destination.equals("")) {  
 Toast.*makeText*(getApplicationContext(), "enter both source and destination",  
 Toast.*LENGTH\_SHORT*).show();  
 }  
 else {  
 Uri uri = Uri.*parse*("https://www.google.com/maps/dir/" + source + "/" + destination);  
 Intent intent = new Intent(Intent.*ACTION\_VIEW*, uri);  
 intent.setPackage("com.google.android.apps.maps");  
 intent.setFlags(Intent.*FLAG\_ACTIVITY\_NEW\_TASK*);  
 startActivity(intent);  
  
 }  
 }  
 });  
 }  
  
}