

build.gradle.kts:

```
plugins {
```

```
    alias(libs.plugins.androidApplication)
```

```
}
```

```
android {
```

```
    namespace = "com.example.myapplication"
```

```
    compileSdk = 34
```

```
    defaultConfig {
```

```
        applicationId = "com.example.myapplication"
```

```
        minSdk = 24
```

```
        targetSdk = 34
```

```
        versionCode = 1
```

```
        versionName = "1.0"
```

```
        testInstrumentationRunner = "androidx.test.runner.AndroidJUnitRunner"
```

```
    }
```

```
    buildTypes {
```

```
        release {
```

```
            isMinifyEnabled = false
```

```
            proguardFiles(getDefaultProguardFile("proguard-android-optimize.txt"), "proguard-rules.pro")
```

```
        }
```

```
    }
```

```
    compileOptions {
```

```
        sourceCompatibility = JavaVersion.VERSION_1_8
```

```
        targetCompatibility = JavaVersion.VERSION_1_8
```

```
    }
```

```
    buildFeatures {
```

```
        buildConfig = true
```

```
}  
}
```

```
dependencies {
```

```
    implementation(libs.appcompat)  
    implementation(libs.material)  
    implementation(libs.activity)  
    implementation(libs.constraintlayout)  
    testImplementation(libs.junit)  
    androidTestImplementation(libs.ext.junit)  
    androidTestImplementation(libs.espresso.core)  
    implementation("com.google.android.gms:play-services-maps:18.2.0")  
}
```

AndroidManifest.xml:

```
<?xml version="1.0" encoding="utf-8"?>  
  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:tools="http://schemas.android.com/tools">  
  
    <uses-permission android:name="android.permission.ACCESS_FINE_LOCATION"></uses-permission>  
  
    <uses-permission android:name="android.permission.INTERNET"></uses-permission>  
  
    <uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION"></uses-permission>  
  
    <uses-feature android:name="android.hardware.location.gps"></uses-feature>  
  
  
    <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.MyApplication"
    tools:targetApi="31">
    <meta-data
        android:name="com.google.android.geo.API_KEY"
        android:value="AlzaSyCQtKjkpA3xB1zLgLhnGFCXzaYW8sp6Vgl">
    </meta-data>
    <activity
        android:name=".MainActivity"
        android:exported="true">
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />

            <category android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>
</application>

</manifest>
```

MainActivity.java:

```
package com.example.myapplication;
```

```
import android.os.Bundle;
```

```
import androidx.activity.EdgeToEdge;
```

```
import androidx.annotation.NonNull;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import androidx.core.graphics.Insets;
```

```
import androidx.core.view.ViewCompat;
```

```
import androidx.core.view.WindowInsetsCompat;
```

```
import com.google.android.gms.maps.*;
```

```
import com.google.android.gms.maps.model.LatLng;
```

```
import com.google.android.gms.maps.model.MarkerOptions;
```

```
public class MainActivity extends AppCompatActivity implements OnMapReadyCallback {
```

```
    private GoogleMap myMap;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);
```

```
        SupportMapFragment mapFragment =  
(SupportMapFragment) getSupportFragmentManager().findFragmentById(R.id.map);
```

```
        mapFragment.getMapAsync(MainActivity.this);
```

```
    }
```

```
    @Override
```

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

```

myMap = googleMap;

LatLng Pune = new LatLng(18.5, 73.8);
myMap.addMarker(new MarkerOptions().position(Pune).title("Pune"));
myMap.moveCamera(CameraUpdateFactory.newLatLng(Pune));

}

}

```

activity\_main.xml:

```

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout
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" />

```

</androidx.constraintlayout.widget.ConstraintLayout>