1. if google play service not installed in your android studio, then install google play service.

2. open a new project use google map activity instead of empty activity.

3. then go to google developer console(console.developers.google.com)

4. then create project in google developer console

5. then click credentials in console

6. select api key

7. select restrict key

8. select android apps in toogle

9. click add package name and fingerprints

10. then click library->google maps APIS->google maps android apis

11. then click enable

USE PERMISSION:

<**uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION"** />  
<**uses-permission android:name="android.permission.INTERNET"**/>  
<**uses-permission android:name="android.permission.ACCESS\_NETWORK\_STATE"**/>  
<**uses-permission android:name="android.permission.WRITE\_EXTERNAL\_STORAGE"**/>  
<**uses-permission android:name="android.permission.ACCESS\_COARSE\_LOCATION"**/>  
  
<**uses-feature  
 android:glEsVersion="0x00020000"  
 android:required="true"**/>

Add this attribute to the application tag in manifest: android:name="android.support.multidex.MultiDexApplication"

And then add the line compile 'com.android.support:multidex:1.0.1' to your dependancies

Update google play service if needed

defaultConfig{

multiDexEnabled **true**

}