

Permissions Access.

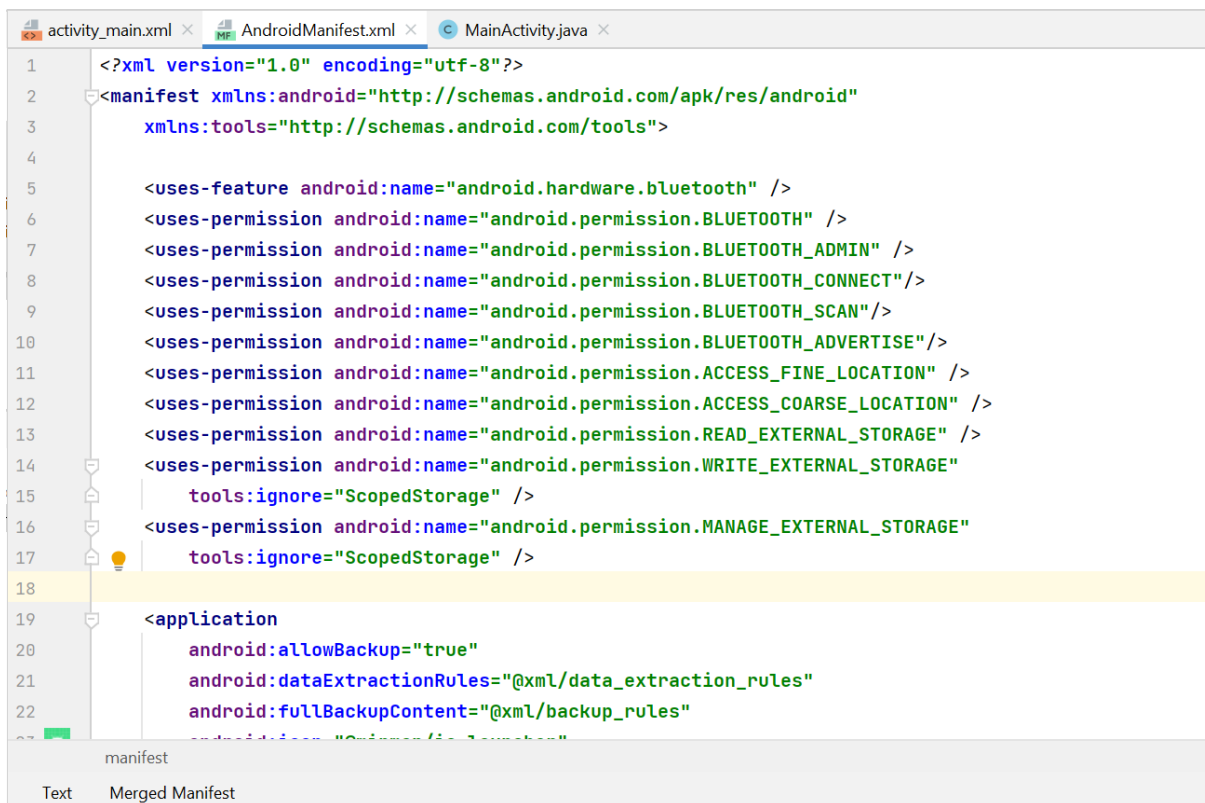
To allow the system to manage the request code that's associated with a permissions request, add dependencies on the following libraries in your module's `build.gradle` file:

- `androidx.activity`, version 1.2.0 or later
- `androidx.fragment`, version 1.3.0 or later

The following steps needed to be followed to grant Android Access Permissions in the Android Studio Project:

STEP 1:

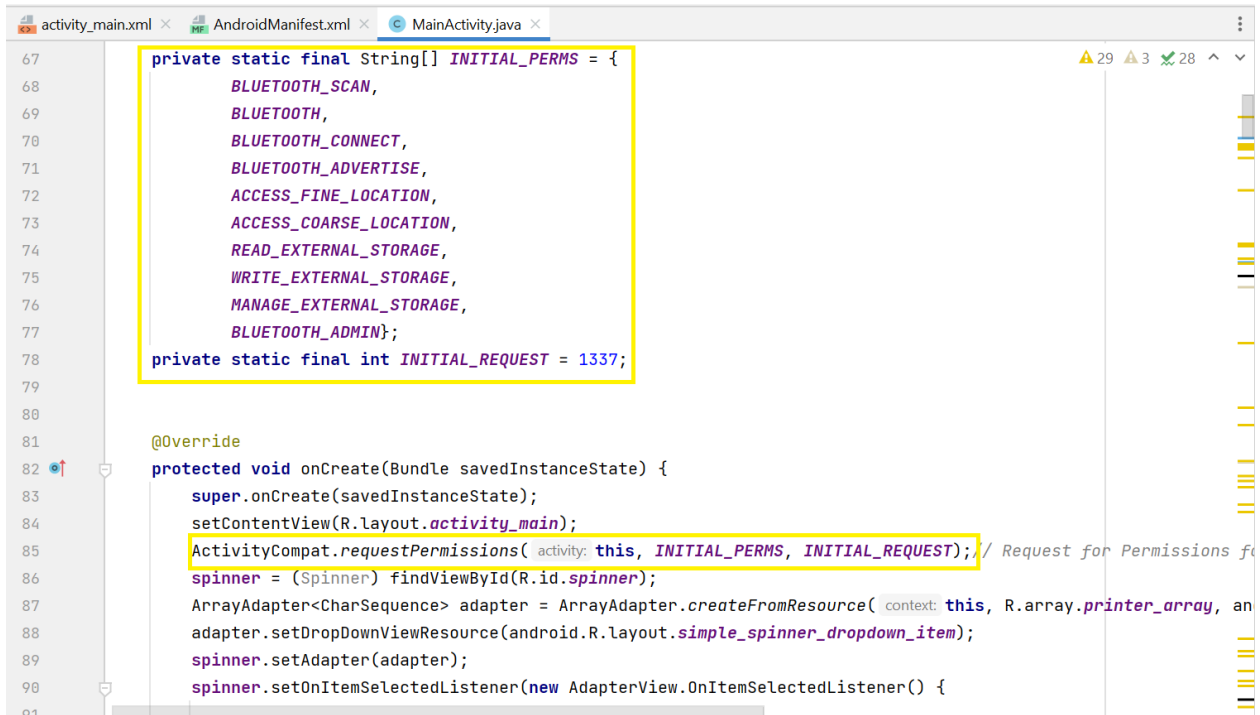
Write all the permissions in the Android Manifest File in `<user permission>` tag.



```
1  <?xml version="1.0" encoding="utf-8"?>
2  <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3          xmlns:tools="http://schemas.android.com/tools">
4
5      <uses-feature android:name="android.hardware.bluetooth" />
6      <uses-permission android:name="android.permission.BLUETOOTH" />
7      <uses-permission android:name="android.permission.BLUETOOTH_ADMIN" />
8      <uses-permission android:name="android.permission.BLUETOOTH_CONNECT"/>
9      <uses-permission android:name="android.permission.BLUETOOTH_SCAN"/>
10     <uses-permission android:name="android.permission.BLUETOOTH_ADVERTISE"/>
11     <uses-permission android:name="android.permission.ACCESS_FINE_LOCATION" />
12     <uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION" />
13     <uses-permission android:name="android.permission.READ_EXTERNAL_STORAGE" />
14     <uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"
15         tools:ignore="ScopedStorage" />
16     <uses-permission android:name="android.permission.MANAGE_EXTERNAL_STORAGE"
17         tools:ignore="ScopedStorage" />
18
19     <application
20         android:allowBackup="true"
21         android:dataExtractionRules="@xml/data_extraction_rules"
22         android:fullBackupContent="@xml/backup_rules"
23         android:icon="@mipmap/ic_launcher"
24         android:label="@string/app_name"
25         android:roundIcon="@mipmap/ic_launcher_round"
26         android:supportRtl="true"
27         android:theme="@style/Theme.AppCompat" />
28 </manifest>
```

STEP 2:

Initialize the permissions to a string and call it in `ActivityCompat.requestPermissions` for granting the permissions access in the application



```
67 private static final String[] INITIAL_PERMS = {
68     BLUETOOTH_SCAN,
69     BLUETOOTH,
70     BLUETOOTH_CONNECT,
71     BLUETOOTH_ADVERTISE,
72     ACCESS_FINE_LOCATION,
73     ACCESS_COARSE_LOCATION,
74     READ_EXTERNAL_STORAGE,
75     WRITE_EXTERNAL_STORAGE,
76     MANAGE_EXTERNAL_STORAGE,
77     BLUETOOTH_ADMIN};
78 private static final int INITIAL_REQUEST = 1337;
79
80
81 @Override
82 protected void onCreate(Bundle savedInstanceState) {
83     super.onCreate(savedInstanceState);
84     setContentView(R.layout.activity_main);
85     ActivityCompat.requestPermissions(this, INITIAL_PERMS, INITIAL_REQUEST); // Request for Permissions for
86     spinner = (Spinner) findViewById(R.id.spinner);
87     ArrayAdapter<CharSequence> adapter = ArrayAdapter.createFromResource(this, R.array.printer_array, an
88     adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
89     spinner.setAdapter(adapter);
90     spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {
91
```