BroadcastReceiverDemo

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="16dp">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Broadcast Receiver"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="13dp"
        android:textSize="25sp"
        android:textStyle="bold"
        android:textColor="@color/black"/>

    <Button
        android:id="@+id/btn1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Inbuild Broadcast Receiver"
        android:onClick="callInbuilt"
        android:textStyle="bold"
        android:paddingStart="10dp"
        android:textSize="15dp"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="60dp" />

    <Button
        android:id="@+id/btn2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="call Custom Broadcast"
        android:onClick="callCustom"
        android:textStyle="bold"
        android:paddingStart="10dp"
        android:textSize="15dp"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="120dp" />

</RelativeLayout>
```

MainActivity.java

```java
package com.example.broadcastreceiverdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;

public class MainActivity extends AppCompatActivity {
```

```java
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    public void callCustom(View view){
        Intent i1 = new Intent();
        i1.setAction("com.mylalit.own.MyReceiver.call");
        i1.addCategory("android.intent.category.DEFAULT");
        sendBroadcast(i1);
    }

}
```

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.broadcastreceiverdemo">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.BroadcastReceiverDemo">
        <receiver
            android:name=".CustomBroadcast1"
            android:enabled="true"
            android:exported="true">
            <intent-filter>
                <action
android:name="com.mylalit.own.MyReceiver.call"></action>
                <category
android:name="android.intent.category.DEFAULT"></category>
            </intent-filter>
        </receiver>
        <receiver
            android:name=".Broadcastinbuilt"
            android:enabled="true"
            android:exported="true">
            <intent-filter>
                <action
android:name="android.intent.action.BATTERY_LOW"></action>
                <category
android:name="android.intent.category.DEFAULT"></category>
            </intent-filter>
        </receiver>

        <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>
```

CustomBroadcat1.java

```java
package com.example.broadcastreceiverdemo;

import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.widget.Toast;

public class CustomBroadcast1 extends BroadcastReceiver {

    @Override
    public void onReceive(Context context, Intent intent) {
        Toast.makeText(context, "First Receiver Called",
Toast.LENGTH_SHORT).show();
    }
}
```

Broadcastinbuilt.java

```java
package com.example.broadcastreceiverdemo;

import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.widget.Toast;

public class Broadcastinbuilt extends BroadcastReceiver {

    @Override
    public void onReceive(Context context, Intent intent) {
        Toast.makeText(context, "Battery is low, Please charge",
Toast.LENGTH_SHORT).show();
    }
}
```

MyBroadcastDemo02

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Broadcast Receiver"
        android:layout_marginTop="30sp"
        android:layout_centerHorizontal="true"
        android:textSize="30sp"
        android:textColor="@color/black"/>
    <Button
```

```
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Call CustomBroadcast"
        android:textSize="20dp"
        android:onClick="callCustom"
        android:layout_marginTop="80dp"/>

</RelativeLayout>
```

MainActivity.java

```java
package com.example.mybroadcastdemo02;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void callCustom(View view){
        Intent i = new Intent();
        i.setAction("com.mylalit.own.MyReceiver.call");
        i.addCategory("android.intent.category.DEFAULT");
        sendBroadcast(i);
    }
}
```

MyBroadcast02.java

```java
package com.example.mybroadcastdemo02;

import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.widget.Toast;

public class MyBroadcast02 extends BroadcastReceiver {

    @Override
    public void onReceive(Context context, Intent intent) {
        Toast.makeText(context, "Second Receiver Called",
Toast.LENGTH_SHORT).show();
    }
}
```

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.mybroadcastdemo02">
```

```xml
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.MyBroadcastDemo02">
        <receiver
            android:name=".MyBroadcast02"
            android:enabled="true"
            android:exported="true">
            <intent-filter>
                <action
android:name="com.mylalit.own.MyReceiver.call"></action>
                <category
android:name="android.intent.category.DEFAULT"></category>
            </intent-filter>
        </receiver>

        <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>
```