Should explicitly allow SMS permission from Settings for this app.

This broadcast receiver will toast for all SMS only when the app is opened

Activity\_main.xml

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

<**android.support.constraint.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"**>

<**TextView**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:text="Hello World!"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintLeft\_toLeftOf="parent"**

**app:layout\_constraintRight\_toRightOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"** />

</**android.support.constraint.ConstraintLayout**>

MainActivity.java

**package** com.example.jevitha.a231\_broadcastreceiver\_stop\_onappclosed;

**import** android.content.BroadcastReceiver;

**import** android.content.Context;

**import** android.content.Intent;

**import** android.content.IntentFilter;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**public class** MainActivity **extends** AppCompatActivity {

**private** BroadcastReceiver **broadcastReceiver**;

@Override

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

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

**broadcastReceiver** = **new** MyBroadcastReceiver();

}

@Override

**protected void** onStart() {

**super**.onStart();

IntentFilter intentFilter=**new** IntentFilter(**"android.provider.Telephony.SMS\_RECEIVED"**);

registerReceiver(**broadcastReceiver**,intentFilter);

}

@Override

**protected void** onStop() {

**super**.onStop();

unregisterReceiver(**broadcastReceiver**);

}

}

Create new BroadcastReceiver as explained in previous app

MyBroadcastReceiver.java

**package** com.example.jevitha.a231\_broadcastreceiver\_stop\_onappclosed;

**import** android.content.BroadcastReceiver;

**import** android.content.Context;

**import** android.content.Intent;

**import** android.widget.Toast;

**public class** MyBroadcastReceiver **extends** BroadcastReceiver {

@Override

**public void** onReceive(Context context, Intent intent) {

Toast.*makeText*(context,**"SMS Received"**,Toast.***LENGTH\_LONG***).show();

}

}

AndroidManifest.xml

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

<**manifest xmlns:android="http://schemas.android.com/apk/res/android"**

**package="com.example.jevitha.a231\_broadcastreceiver\_stop\_onappclosed"**>

<**uses-permission android:name="android.permission.RECEIVE\_SMS"**/>

<**uses-permission android:name="android.permission.READ\_SMS"**/>

<**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/AppTheme"**>

<**activity android:name=".MainActivity"**>

<**intent-filter**>

<**action android:name="android.intent.action.MAIN"** />

<**category android:name="android.intent.category.LAUNCHER"** />

</**intent-filter**>

</**activity**>

</**application**>

</**manifest**>