

MainActivity.java-

```
package com.madlab.broadcastreceivers;

import androidx.appcompat.app.AppCompatActivity;

import android.content.BroadcastReceiver;
import android.os.Bundle;
import android.content.Context;
import android.content.Intent;
import android.content.IntentFilter;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    TextView t1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        MyReceiver r = new MyReceiver();
        IntentFilter filter = new IntentFilter();
        filter.addAction(Intent.ACTION_AIRPLANE_MODE_CHANGED);
        filter.addAction(Intent.ACTION_HEADSET_PLUG);
        filter.addAction(Intent.ACTION_POWER_CONNECTED);
        filter.addAction(Intent.ACTION_POWER_DISCONNECTED);
        filter.addAction(Intent.ACTION_DATE_CHANGED);
        this.registerReceiver(r, filter);
    }
}

class MyReceiver extends BroadcastReceiver {
    @Override
    public void onReceive(Context context, Intent intent) {
        Toast.makeText(context, intent.getAction(), Toast.LENGTH_LONG).show();
    }
}
```

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">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="456dp"
        android:layout_height="770dp"
        android:scaleType="fitXY"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/abc" />

    <TextView
```

```
android:id="@+id/res"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="The action you perform will be shown in a toast"  
android:textColor="@color/white"  
android:textSize="15dp"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.498"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.74" />  
</androidx.constraintlayout.widget.ConstraintLayout>
```

Output-

