**Practical – 1(intentfilter)**

**Create an app using Intent-filter that show the app while sharing Image file.**

**Git:** <https://github.com/18mca8094/intentfilter>

**activity\_main.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="147dp"  
 android:layout\_marginBottom="471dp"  
 tools:srcCompat="@tools:sample/avatars"** />  
</**RelativeLayout**>

**MainActivity.java**

**package** com.example.intentfilter;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.net.Uri;  
**import** android.os.Bundle;  
**import** android.widget.ImageView;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 ImageView **imageView**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **imageView**=findViewById(R.id.***imageView***);  
  
 Intent receivedIntent = getIntent();  
 Uri receivedUri = (Uri)receivedIntent.getParcelableExtra(Intent.***EXTRA\_STREAM***);  
 **if** (receivedUri != **null**) {  
 *//set the picture  
 //RESAMPLE YOUR IMAGE DATA BEFORE DISPLAYING* **imageView**.setImageURI(receivedUri);*//just for demonstration* }  
 }  
 }

**AndroidMainfest.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.intentfilter"**>  
  
 <**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"** />  
 <**action android:name="android.intent.action.SEND"** />  
 <**category android:name="android.intent.category.DEFAULT"** />  
 <**data android:mimeType="image/\*"** />  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 </**application**>  
</**manifest**>

**Output –**

