**Practical 21**

1. Write a Program to demonstrate the use of broadcast reciever.

Xml Code :

<?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">

<TextView

android:id="@+id/textview1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="30dp"

android:text="Example of Broadcast"

android:textSize="30dp"

android:textColor="@color/black"/>

<TextView

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_above="@+id/imageButton"

android:layout\_centerHorizontal="true"

android:layout\_marginBottom="40dp"

android:text="broadcast example"

android:textColor="#000000"

android:textSize="30dp" />

<ImageButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/imageButton"

android:layout\_centerVertical="true"

android:layout\_centerHorizontal="true" />

<Button

android:id="@+id/button2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/imageButton"

android:layout\_centerHorizontal="true"

android:onClick="broadcastIntent"

android:textSize="20dp"

android:backgroundTint="@color/black"

android:text="Broadcast Intent" />

</RelativeLayout>

MyReciever.java:

package com.example.exp21;

import android.content.BroadcastReceiver;

import android.content.Context;

import android.content.Intent;

import android.widget.Toast;

public class MyReceiver extends BroadcastReceiver {

@Override

public void onReceive(Context context, Intent intent) {

Toast.makeText(context, "Intent Detected.", Toast.LENGTH\_LONG).show();

}

}

Java Code :

package com.example.exp21;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

}

public void broadcastIntent(View view){

Intent intent = new Intent();

intent.setAction("com.tutorialspoint.CUSTOM\_INTENT");

sendBroadcast(intent);

Toast.makeText(getApplicationContext(),"Intent Detected",Toast.LENGTH\_LONG).show();

}

}

Output:

