**Pract 8th C:**

**Main Activity.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">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Hello World!"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

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

</androidx.constraintlayout.widget.ConstraintLayout>

**Manifest.xml**

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

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

xmlns:tools="http://schemas.android.com/tools">

<application

android:allowBackup="true"

android:dataExtractionRules="@xml/data\_extraction\_rules"

android:fullBackupContent="@xml/backup\_rules"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:supportsRtl="true"

android:theme="@style/Theme.Prac8c"

tools:targetApi="31">

<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>

<receiver android:name=".Myreceiver" android:exported="true">

<intent-filter>

<action android:name="android.intent.action.AIRPLANE\_MODE"></action>

</intent-filter>

</receiver>

</application>

</manifest>

**Receiver.kt**

package com.example.prac8c

import android.content.BroadcastReceiver

import android.content.Context

import android.content.Intent

import android.widget.Toast

class Myreceiver:BroadcastReceiver() {

override fun onReceive(context: Context?, intent: Intent?) {

Toast.makeText(context,"Broadcast is called",Toast.LENGTH\_LONG).show()

}

}

**Main Activity.kt**

package com.example.prac8c

import android.content.Intent

import android.content.IntentFilter

import androidx.appcompat.app.AppCompatActivity

import android.os.Bundle

class MainActivity : AppCompatActivity() {

var myReceiver=Myreceiver()

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

register()

}

private fun register(){

var filter=IntentFilter()

filter.addAction(Intent.ACTION\_AIRPLANE\_MODE\_CHANGED)

registerReceiver(myReceiver,filter)

}

override fun onDestroy() {

super.onDestroy()

unregisterReceiver(myReceiver)

}

}