**PRACTICAL NO: 7B**

**Aim:** Create an android app that use BroadcastReceiver.

Code:

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">

<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>

MainActivity.java:

package com.example.practical07b;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.content.IntentFilter;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

MyReceiver myReceiver=new MyReceiver();

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

IntentFilter intentFilter=new IntentFilter(Intent.ACTION\_AIRPLANE\_MODE\_CHANGED);

intentFilter.addAction(Intent.ACTION\_TIME\_TICK);

registerReceiver(myReceiver,intentFilter);

}

}

MyReceiver.java:

package com.example.practical07b;

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) {

if (Intent.ACTION\_AIRPLANE\_MODE\_CHANGED.equals(intent.getAction())) {

Toast.makeText(context.getApplicationContext(),

"Airplane mode changed", Toast.LENGTH\_LONG).show();

} else if (Intent.ACTION\_TIME\_TICK.equals(intent.getAction())) {

Toast.makeText(context.getApplicationContext(),

"Time changed", Toast.LENGTH\_LONG).show();

}

}

}

Output:

 