**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:id="@+id/main"  
 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="practical no 21"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

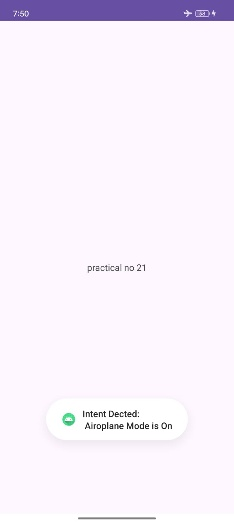
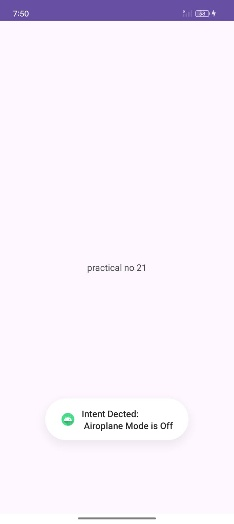
**MainActivity.java:**

package com.example.pr21;  
  
import android.content.Intent;  
import android.content.IntentFilter;  
import android.os.Bundle;  
  
import androidx.activity.EdgeToEdge;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.graphics.Insets;  
import androidx.core.view.ViewCompat;  
import androidx.core.view.WindowInsetsCompat;  
  
public class MainActivity extends AppCompatActivity {  
 AirplaneModeChangeReceiver airplaneModeChangeReceiver = new AirplaneModeChangeReceiver();  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
  
 @Override  
 protected void onStart() {  
 super.onStart();  
 IntentFilter filter = new IntentFilter(Intent.*ACTION\_AIRPLANE\_MODE\_CHANGED*);  
 registerReceiver(airplaneModeChangeReceiver,filter);  
 }  
  
 @Override  
 protected void onStop() {  
 super.onStop();  
 unregisterReceiver(airplaneModeChangeReceiver);  
 }  
}

**AirplaneModeChangeReceiver.java :**

package com.example.pr21;  
import android.content.BroadcastReceiver;  
import android.content.Context;  
import android.content.Intent;  
import android.provider.Settings;  
import android.widget.Toast;  
  
public class AirplaneModeChangeReceiver extends BroadcastReceiver  
{  
  
 @Override  
 public void onReceive(Context context, Intent intent) {  
 if(isAiroplaneModeON(context.getApplicationContext(), context)) {  
 Toast.*makeText*(context, "Intent Dected: \n Airoplane Mode is On", Toast.*LENGTH\_LONG*).show();  
 }  
 else {  
 Toast.*makeText*(context, "Intent Dected: \n Airoplane Mode is Off", Toast.*LENGTH\_LONG*).show();  
 }  
 }  
  
 private boolean isAiroplaneModeON(Context Context, Context context) {  
  
 return Settings.System.*getInt*(context.getContentResolver(),Settings.Global.*AIRPLANE\_MODE\_ON*,0)!=0;  
 }  
}

OutPut:

 ****