QUE: Write a program to demonstrate all the system broadcast message.

MainActivity.java

```
//not mandatory
```

ActivityMain.xml

```java
package com.example.aeroplanemode;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.content.IntentFilter;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {
    MybroadcastReceiver mb=new MybroadcastReceiver();
    @Override
    protected void onCreate(Bundle savedInstanceState){
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    protected void onStart(){
        super.onStart();
        IntentFilter filter=new IntentFilter(Intent.ACTION_AIRPLANE_MODE_CHANGED);
        filter.addAction(Intent.ACTION_SCREEN_ON);
        filter.addAction(Intent.ACTION_CALL);
        registerReceiver(mb,filter);
    }
    protected  void onStop() {
        super.onStop();
        unregisterReceiver(mb);
    }}
```

MyBroadcastReceiver.java

```java
package com.example.aeroplanemode;
import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.provider.Settings;
import android.widget.Toast;
public class MybroadcastReceiver extends BroadcastReceiver {
@Override
    public void onReceive(Context context, Intent intent) {
    if(isAirplaneModeOn(context.getApplicationContext())){
        Toast.makeText(context,"Airplane mode is On",Toast.LENGTH_LONG).show();
      }else {
        Toast.makeText(context,"Airplane mode is Off",Toast.LENGTH_LONG).show(); }
```

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```
}
    private boolean isAirplaneModeOn(Context applicationContext) {
        return
Settings.System.getInt(applicationContext.getContentResolver(),Settings.Global.AIRPLANE_MO
DE_ON,0)!=0;
    }
}
```

OUTPUT: