PROGRAM 2 (CO1)

AIM:Write a program that demonstrates Activity Lifecycle

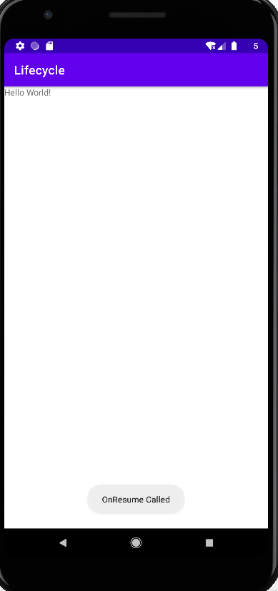
XML

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout 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"  
 android:orientation="vertical"  
 tools:layout\_editor\_absoluteX="1dp"  
 tools:layout\_editor\_absoluteY="1dp"  
 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\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
</LinearLayout>

JAVA

package com.example.lifecycle;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Toast.*makeText*(MainActivity.this,"OnCreate Called",Toast.*LENGTH\_LONG*).show();  
 }  
 @Override  
 protected void onStart(){  
 super.onStart();  
 Toast.*makeText*(MainActivity.this,"OnStart Called",Toast.*LENGTH\_SHORT*).show();  
 }  
 @Override  
 protected void onRestart(){  
 super.onRestart();  
 Toast.*makeText*(MainActivity.this,"OnRestart Called",Toast.*LENGTH\_SHORT*).show();  
 }  
 @Override  
 protected void onResume(){  
 super.onResume();  
 Toast.*makeText*(MainActivity.this,"OnResume Called",Toast.*LENGTH\_SHORT*).show();  
 }  
 @Override  
 protected void onPause(){  
 super.onPause();  
 Toast.*makeText*(MainActivity.this,"OnPause Called",Toast.*LENGTH\_SHORT*).show();  
 }  
 @Override  
 protected void onStop(){  
 super.onStop();  
 Toast.*makeText*(MainActivity.this,"OnStop Called",Toast.*LENGTH\_SHORT*).show();  
 }  
 @Override  
 protected void onDestroy(){  
 super.onDestroy();  
 Toast.*makeText*(MainActivity.this,"OnDestroy Called",Toast.*LENGTH\_SHORT*).show();  
 }  
}

OUTPUT



RESULT: Program to demonstrate Activity Lifecycle is successfully executed and output verified