**3.Write a program to demonstrate activity lifecycle?**

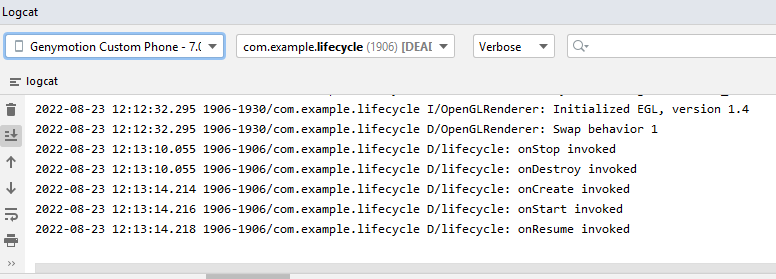
**Xml**

*<?*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\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Java**

package com.example.lifecycle;  
  
import android.os.Bundle;  
import android.util.Log;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Log.*d*("lifecycle", "onCreate invoked");  
 }  
  
@Override  
protected void onStart() {  
 super.onStart();  
 Log.*d*("lifecycle", "onStart invoked");  
}  
@Override  
 protected void onResume() {  
 super.onResume();  
 Log.*d*("lifecycle", "onResume invoked");  
}  
@Override  
 protected void onStop() {  
 super.onStop();  
 Log.*d*("lifecycle", "onStop invoked");  
}  
@Override  
 protected void onRestart() {  
 super.onRestart();  
 Log.*d*("lifecycle", "onRestart invoked");  
}  
@Override  
 protected void onDestroy() {  
 super.onDestroy();  
 Log.*d*("lifecycle", "onDestroy invoked");  
}  
}

**Output**

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