Create a program to depict activity life cycle

Xml Code:-

<?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 Code:-

package com.example.lifecycle;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.util.Log;  
  
public class MainActivity extends AppCompatActivity {  
  
 public static final String *status*=MainActivity.class.getSimpleName();  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Log.*i*(*status*,"In Method OnCreate");  
 }  
  
 @Override  
 protected void onStart() {  
 super.onStart();  
 Log.*i*(*status*,"In Method ONStart");  
 }  
  
 @Override  
 protected void onResume() {  
 super.onResume();  
 Log.*i*(*status*,"In Method OnResume");  
 }  
  
 @Override  
 protected void onPause() {  
 super.onPause();  
 Log.*i*(*status*,"In Method OnPause");  
 }  
  
 @Override  
 protected void onRestart() {  
 super.onRestart();  
 Log.*i*(*status*,"In Method OnRestart");  
 }  
  
 @Override  
 protected void onDestroy() {  
 super.onDestroy();  
 Log.*i*(*status*,"In Method OnDestroy");  
 }  
}

O/p:-

Graphical user interface, text

Description automatically generated