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**Course- BSc IT**

**Roll no-1922067**

**Subject Code- PBI 501**

**Problem Statement: Create a program to depict activity lifecycle.**

**Objective: To understand the function and functioning of an activity lifecycle.**

**XML FILE CODING:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="210dp"  
 android:text="ANDROID LIFECYCLE"  
 android:textSize="24sp"** />  
</**RelativeLayout**>

**JAVA SOURCE CODE:**

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

**public void** onStop(){  
 **super**.onStop();  
 Log.*d*(**"LifeCycle"**,**"onStop Invoke"**);  
  
 }  
  
 **public void** onDestroy(){  
 **super**.onDestroy();  
 Log.*d*(**"LifeCycle"**,**"onDestroy Invoke"**);  
  
 }  
}

**OUTPUT:**

**OUTPUT WHEN LAUNCHING AN ACTIVITY onCreate(), onStart(), onResume() has invoked:**

**Text

Description automatically generated**

**OUTPUT when we come out from the ACTIVITY onStop() , onDestroyed() has invoked:**

**Text

Description automatically generated**