PROGRAM 2

AIM: Write a program that demonstrates Activity Lifecycle.

PROGRAM CODE:

JAVA

```
package com.example.myactivity;
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("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 onPause() {
    super.onPause();
    Log.d("lifecycle", "onPause 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");
  }
}
XML
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</p>
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/name"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="HELLOOOO"
    android:textColor="#9C27B0"
    android:textColorHighlight="#F44336"
    android:textColorLink="#F44336"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintLeft toLeftOf="parent"
    app:layout constraintRight toRightOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent" />
```

RESULT: Program has been successfully executed and output is obtained.