**Program No:3 23.08.2022**

Write a program that demonstrate activity lifecycle.

**Program Code:**

**activity.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\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

**mainactivity.java:**

package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.util.Log;

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");

}

}

**Output**

