10 Marks Programs

1) Write an Android Program to demonstrate Activity life Cycle.

Ans:-

Java Code:-

package com.example.androidprograms;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.Toast;

public class Program3Activity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_program3);

Toast.makeText(getApplicationContext(),&quot;In

onCreate&quot;,Toast.LENGTH\_LONG).show();

}

@Override

protected void onRestart() {

super.onRestart();

Toast.makeText(getApplicationContext(),&quot;In

onRestart&quot;,Toast.LENGTH\_LONG).show();

}

@Override

protected void onDestroy() {

super.onDestroy();

Toast.makeText(getApplicationContext(),&quot;In

onDestroy&quot;,Toast.LENGTH\_LONG).show();

}

@Override

protected void onPause() {

super.onPause();

Toast.makeText(getApplicationContext(),&quot;In

onPause&quot;,Toast.LENGTH\_LONG).show();

}

@Override

protected void onResume() {

super.onResume();

Toast.makeText(getApplicationContext(),&quot;In

onResume&quot;,Toast.LENGTH\_LONG).show();

}

@Override

protected void onStart() {

super.onStart();

Toast.makeText(getApplicationContext(),&quot;In

onStart&quot;,Toast.LENGTH\_LONG).show();

}

@Override

protected void onStop() {

super.onStop();

Toast.makeText(getApplicationContext(),&quot;In

onStop&quot;,Toast.LENGTH\_LONG).show();

}

}

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=". Program3Activity">

<TextView

android:id="@+id/textView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Activity Lifecycle Demonstration"

tools: ignore-"MissingConstraints" />

</androidx.constraintlayout.widget.ConstraintLayout>