**PRACTICAL-2.3**

**AIM:**

**Create an android application to demonstrate the life cycle of the activity.**

**PROGRAM CODE:**

1. **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>

1. **Java Code:**

package com.parthnpatel.lifecycle;

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);

Log.d("activity", "onCreate()");

}

@Override

protected void onRestart(){

super.onRestart();//call to restart after onStop

Log.d("activity","onRestart()");

}

@Override

protected void onStart() {

super.onStart();//soon be visible

Log.d("activity","onStarted()");

}

@Override

protected void onResume() {

super.onResume();//visible

Log.d("activity","onResume()");

}

@Override

protected void onPause() {

super.onPause();//invisible

Log.d("activity","onPause()");

}

@Override

protected void onStop() {

super.onStop();

Log.d("activity","onStopped()");

}

@Override

protected void onDestroy() {

super.onDestroy();

Log.d("activity","onDestroy()");

}

}

**OUTPUT:**

