**Program no: 20**

**Aim:** Program to implement activity lifecycle

# XML Code:

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="[http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android) xmlns:app="[http://schemas.android.com/apk/res-auto"](http://schemas.android.com/apk/res-auto) xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity3">

<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>

# Java Code:

package example.javatpoint.com.activitylifecycle; import android.app.Activity;

import android.os.Bundle; import android.util.Log;

public class MainActivity extends Activity { @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");

}

b1.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick (View v){ String s1 = e1.getText().toString(); String s2 = e2.getText().toString();

Intent i = new Intent(getApplicationContext(), MainActivity3.class); startActivity(i);

}

@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:

