**Practical No.4**

**Fragment LifeCycle**

**How to add fragments:**

Right click app (Project panel) -> new -> fragment -> blank fragment -> assign name -> uncheck 2nd (Factory

Method) & 3rd (callback) checkbox -> finish

**// Fragment.java:**

package com.example.activitylc;

import android.content.Context;

import android.os.Bundle;

impport androidx.fragment.app.Fragment;

import android.util.Log;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

public class BlankFragmentLC40 extends Fragment {

String tag=”lifecycle”;

public BlankFragmentLC40() {

**// Required empty public constructor**

}

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

**//Inflate the layout for this fragment**

Log.d(tag,”This is onCreate method”);

return inflater.inflate(R.layout.fragment\_blank\_fragment\_Ic40, container, false);

@Override

public void onStart() {

Super.onStart();

Log.d(tag, “This is onStart method”);

}

@Override

public void onResume() {

Super.onResume();

Log.d(tag,”This is onResume method”);

}

@Override

public void onPause() {

Super.onPause();

Log.d(tag,”This is onPause method”);

}

@Override

public void onStop() {

Super.onStop();

Log.d(tag, “This is onStop method”);

}

@Override

public void onAttach(Context context) {

Super.onAttach(context);

Log.d(tag, “This is onAttach method”);

}

@Override

public void onDetach() {

Super.onDetach();

Log.d(tag, “This is on Detach method”);

}

@Override

public void onDestroy() {

super.onDestroy();

Log.d(tag, "This is onDestroy method");

}

}

**// Fragment.xml**

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

<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="@color/pink"

tools:context=". Blank FragmentLC40">

**<!-- TODO: Update blank fragment layout -->**

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:textColor="@color/colorPrimary"

android:textSize="30dp"

android:text="hello blank fragment" />

</FrameLayout>

**// Activity.xml**

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

<LinearLayout

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!"

/>

<fragment

android:id="@+id/f1"

class="com.example.activitylc. Blank FragmentLC40"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:layout="@layout/fragment\_blank\_fragment\_Ic40"/>

</LinearLayout>