**Aim: Create an application that dynamically adds a fragment.**

**activity\_main.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="fill\_parent"

android:layout\_height="fill\_parent"

tools:context="com.example.lab555.MainActivity">

<fragment

android:id="@+id/fragment1"

android:name="com.example.lab555.Fragment1"

android:layout\_width="0px"

android:layout\_height="match\_parent"

android:layout\_weight="1" />

<fragment

android:id="@+id/fragment2"

android:name="com.example.lab555.Fragment2"

android:layout\_width="0px"

android:layout\_height="match\_parent"

android:layout\_weight="1" />

</LinearLayout>

**mainactivity.java:**

package com.example.lab555;

import android.support.v4.app.INotificationSideChannel;

import android.os.Bundle;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

}

}

**fragment\_fragment1.xml:**

<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="#F5F5DC"

tools:context="com.example.lab555.MainActivity">

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

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="@string/app\_name" />

</FrameLayout>

**fragment1.java:**

package com.example.lab555;

import android.os.Bundle;

import android.support.v4.app.INotificationSideChannel;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import androidx.fragment.app.Fragment;

class Fragment1 extends Fragment {

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

}

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

return inflater.inflate(R.layout.fragment\_fragment1, container, false);

}

}

**fragment\_fragment2.xml:**

<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="#F0FFFF"

tools:context="com.example.lab555.MainActivity">

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

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="@string/app\_name" />

</FrameLayout>

**fragment2.java:**

package com.example.lab555;

import android.os.Bundle;

import android.support.v4.app.INotificationSideChannel;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import androidx.fragment.app.Fragment;

class Fragment2 extends Fragment {

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

}

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

return inflater.inflate(R.layout.fragment\_fragment2, container, false);

}

}

