Experiment No 3.1

Understanding of the interactions between user interface and underlying application infrastructure.(CO4)

Create an Android application using Fragments.

activity\_main.xml

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

<LinearLayout xmlns:android="<http://schemas.android.com/apk/res/android>" xmlns:app[="h](http://schemas.android.com/apk/res-auto)tt[p://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools[="h](http://schemas.android.com/tools)tt[p://schemas.android.com/tools](http://schemas.android.com/tools)" android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent" tools:context="example.javatpoint.com.fragmentexample.MainActivity">

<fragment android:id="@+id/fragment1"

android:name="example.javatpoint.com.fragmentexample.Fragment1" android:layout\_width="0px"

android:layout\_height="match\_parent" android:layout\_weight="1"

/>

<fragment android:id="@+id/fragment2"

android:name="example.javatpoint.com.fragmentexample.Fragment2" android:layout\_width="0px"

android:layout\_height="match\_parent" android:layout\_weight="1"

/>

</LinearLayout> fragment\_fragment1.xml

<FrameLayout xmlns:android[="h](http://schemas.android.com/apk/res/android)tt[p://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" xmlns:tools[="h](http://schemas.android.com/tools)tt[p://schemas.android.com/tools](http://schemas.android.com/tools)" android:layout\_width="match\_parent" android:layout\_height="match\_parent"

android:background="#F5F5DC" tools:context="example.javatpoint.com.fragmentexample.Fragment1">

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

<TextView android:layout\_width="match\_parent" android:layout\_height="match\_parent"

android:text="@string/hello\_blank\_fragment" />

</FrameLayout>

File: fragment\_fragment2.xml

<FrameLayout xmlns:android[="h](http://schemas.android.com/apk/res/android)tt[p://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" xmlns:tools[="h](http://schemas.android.com/tools)tt[p://schemas.android.com/tools](http://schemas.android.com/tools)" android:layout\_width="match\_parent" android:layout\_height="match\_parent"

android:background="#F0FFFF" tools:context="example.javatpoint.com.fragmentexample.Fragment2">

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

<TextView android:layout\_width="match\_parent" android:layout\_height="match\_parent"

android:text="@string/hello\_blank\_fragment" />

</FrameLayout> MainActivity class File: MainActivity.java

package example.javatpoint.com.fragmentexample;

import android.support.v7.app.AppCompatActivity; import android.os.Bundle;

public class MainActivity extends AppCompatActivity { @Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

}

}

File: Fragment1.java

package example.javatpoint.com.fragmentexample; import android.os.Bundle;

import android.support.v4.app.Fragment; import android.view.LayoutInflater; import android.view.View;

import android.view.ViewGroup;

public 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);

}

}

File: Fragment2.java

package example.javatpoint.com.fragmentexample;

import android.os.Bundle;

import android.support.v4.app.Fragment; import android.view.LayoutInflater; import android.view.View;

import android.view.ViewGroup;

public 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);

}

}

Output:

