

PRACTICAL:8

AIM: Create an application with the help of a fragment.

Source Code:

Program: activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
    tools:context="com.example.administrator.prac_8.MainActivity">

    <Button
        android:id="@+id/fragment1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:onClick="changeFragment"
        android:text="fragment1" />

    <Button
        android:id="@+id/fragment2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:onClick="changeFragment"
        android:text="fragment2" />

    <fragment
        android:id="@+id/fragment_view"
        android:name="com.example.administrator.prac_8.Fragment1"
        android:layout_width="match_parent"
        android:layout_height="match_parent"></fragment>
</LinearLayout>

//fragment_fragment1.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"
    tools:context=".Fragment1">

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

```
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@android:color/holo_orange_dark"
        android:text="Fragment1"
        android:textAlignment="center"
        android:textSize="18sp"
        android:textStyle="bold" />

</FrameLayout>
//fragment_fragment2.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"
    tools:context=".Fragment2">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:id="@+id/p"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@android:color/holo_red_light"
        android:text="Fragment2"
        android:textAlignment="center"
        android:textSize="18sp"
        android:textStyle="bold" />

</FrameLayout>
```

Program: MainActivity.java

```
//MainActivity.java

package com.example.administrator.prac_8;

import android.support.v4.app.Fragment;
import android.support.v4.app.FragmentManager;
import android.support.v4.app.FragmentTransaction;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
```

```
public class MainActivity extends AppCompatActivity {  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
    }  
    public void changeFragment(View view){  
        Fragment fragment;  
        if( view == findViewById(R.id.fragment1)){  
            fragment = new Fragment1();  
            FragmentManager fm = getSupportFragmentManager();  
            FragmentTransaction ft = fm.beginTransaction();  
            ft.replace(R.id.fragment_view, fragment);  
            ft.commit();  
        }  
        if( view == findViewById(R.id.fragment2)){  
            fragment = new Fragment2();  
            FragmentManager fm = getSupportFragmentManager();  
            FragmentTransaction ft = fm.beginTransaction();  
            ft.replace(R.id.fragment_view, fragment);  
            ft.commit();  
        }  
    }  
}
```

```
//Fragment1.java

package com.example.administrator.prac_8;

import android.content.Context;

import android.net.Uri;

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 View onCreateView(LayoutInflater inflater, ViewGroup container,

                             Bundle savedInstanceState) {

        // Inflate the layout for this fragment

        return inflater.inflate(R.layout.fragment_fragment1, container, false);

    }

}
```

```
//Fragement2.java

package com.example.administrator.prac_8;

import android.content.Context;

import android.net.Uri;

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 View onCreateView(LayoutInflater inflater, ViewGroup container,  
        Bundle savedInstanceState) {  
  
        // Inflate the layout for this fragment  
  
        return inflater.inflate(R.layout.fragment_fragment2, container, false);  
  
    }  
  
}
```

Output: