



# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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## Experiment 3.1

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### 1. Aim:

Create an Android application using Fragments.

### 2. Tools used:

1. Android Studio.
2. Eclipse IDE.

### 3. Code:

MainActivity.java package

```
com.example.exp7;  
import androidx.appcompat.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);  
    }  
}
```

Fragment1.java

```
package com.example.exp7; import  
android.os.Bundle; import  
androidx.fragment.app.Fragment; import  
android.view.LayoutInflater; import  
android.view.View;  
import android.view.ViewGroup;
```



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```
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);
    }
}
```

## Fragment2.java

```
package com.example.exp7; import
android.os.Bundle; import
androidx.fragment.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);
    }
}
```

## 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="match_parent"    android:layout_height="match_parent"
tools:context=".MainActivity">
    <fragment
        android:id="@+id/fragment1"
        android:name="com.example.exp7.Fragment1"
        android:layout_width="0px"
        android:layout_height="match_parent"
        android:layout_weight="1"
    />
    <fragment
        android:id="@+id/fragment2"
        android:name="com.example.exp7.Fragment2"
        android:layout_width="0px"
        android:layout_height="match_parent"
        android:layout_weight="1"
    />
</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"
    android:background="#F5F5DC"    tools:context=".Fragment1">
    <TextView        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:text="@string/hello_blank_fragment" />
</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"  
android:background="#F0FFFF"    tools:context=".Fragment2">  
    <TextView  
        android:layout_width="match_parent"  
        android:layout_height="match_parent"  
        android:text="@string/hello_blank_fragment" />  
</FrameLayout>
```

### 3. Output:

