



UNIVERSITY INSTITUTE OF ENGINEERING
Department of Computer Science & Engineering

Subject Name: Mobile Application Development Lab

Subject Code: 20CSP-356

Submitted to:

Er. Bhupinder (E12856)

Submitted by:

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UID: 20BCS1817

Section: 20BCS_DM_716 'B'



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EXPERIMENT: 7

Student Name: Nikhil Kumar

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Branch: BE-CSE

Section/Group: 20BCS_DM_716/B

Semester: 6th

Date of Performance: 27/04/2023

Subject: MAD Lab

Subject Code: 20CSP-356

AIM:

- To implement different android fragments in android studio.

CODE:

MainActivity.java

```
package com.example.myapplication8;

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);
    }
}
```

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"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="fill_parent"
```

```
android:layout_height="fill_parent" tools:context=".MainActivity">
```

```
<androidx.fragment.app.FragmentContainerView  
android:id="@+id/Fragment1"
```

```
    android:name="com.example.myapplication8.Fragmen  
t1" android:layout_width="0px"  
    android:layout_height="match_parent"  
    android:layout_weight="1" />  
<androidx.fragment.app.FragmentContainer  
View android:id="@+id/Fragment2"  
    android:name="com.example.myapplication8.Fragmen  
t2" android:layout_width="0px"  
    android:layout_height="match_parent"  
    android:layout_weight="1" />
```

```
<androidx.fragment.app.FragmentContai  
nerView android:id="@+id/Fragment3"  
    android:name="com.example.myapplication8.Fragmen  
t3" android:layout_width="0px"  
    android:layout_height="match_parent"  
    android:layout_weight="1" />
```

```
<androidx.fragment.app.FragmentContai  
nerView android:id="@+id/Fragment4"  
    android:name="com.example.myapplication8.Fragmen  
t4" android:layout_width="0px"  
    android:layout_height="match_parent"  
    android:layout_weight="1" />
```

```
</LinearLayout>
```

Fragment1.java

```
package  
  
com.example.myapplication8;  
  
import android.os.Bundle;  
  
import  
android.view.LayoutInflater  
;import android.view.View;
```



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```
import
android.view.ViewGroup;

import

androidx.fragment.app.Fragment;

public class Fragment1 extends

Fragment {

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup
        container,
                               Bundle savedInstanceState) {

        return inflater.inflate(R.layout.fragment_1, container,
            false);
    }
}
```

fragment_1.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="#001427"
    tools:context=".Fragment1">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        " android:textColor="#ffffff"
        android:text="@string/chandigarh_univ
        ersity" android:textSize="18sp" />

</FrameLayout>
```

Fragment2.java

```
package

com.example.myapplication8;

import android.os.Bundle;

import
android.view.LayoutInflater
;import android.view.View;
import
android.view.ViewGroup;

import

androidx.fragment.app.Fragment;

public class Fragment2 extends

Fragment {

    @Override
    public View onCreateView(LayoutInflater inflater,
        ViewGroup container, Bundle savedInstanceState) {
        return inflater.inflate(R.layout.fragment_2,
            container, false);
    }
}
```

fragment_2.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="#708d81"
tools:context=".Fragment2">

<TextView
```



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```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:textColor="#ffffff"
android:text="@string/computer_science" android:textSize="18sp"
/>

</FrameLayout>
```

Fragment3.java

```
package

com.example.myapplication8;

import android.os.Bundle;

import
android.view.LayoutInflater
;import android.view.View;
import
android.view.ViewGroup;

import

androidx.fragment.app.Fragment;

public class Fragment3 extends

Fragment {

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup
container,

                                Bundle savedInstanceState) {

        return inflater.inflate(R.layout.fragment_3, container,
false);
    }
}
```



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}

fragment_3.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="#f4d58d"
    tools:context=".Fragment3">

    <TextView
        android:layout_width="match_
parent"
        android:layout_height="match
_parent"
        android:textColor="#000000"
        android:text="@string/chanda
n_kumar"
        android:textSize="18sp" />

</FrameLayout>
```

Fragment4.java

```
package com.example.myapplication8;

import android.os.Bundle;
import android.view.LayoutInflater;
; import android.view.View;
import android.view.ViewGroup;

import androidx.fragment.app.Fragment;

public class Fragment4 extends

Fragment {
```



```
@Override
public View onCreateView(LayoutInflater inflater,
    ViewGroup container, Bundle savedInstanceState) {

    return inflater.inflate(R.layout.fragment_4, container,
        false);
}
}
```

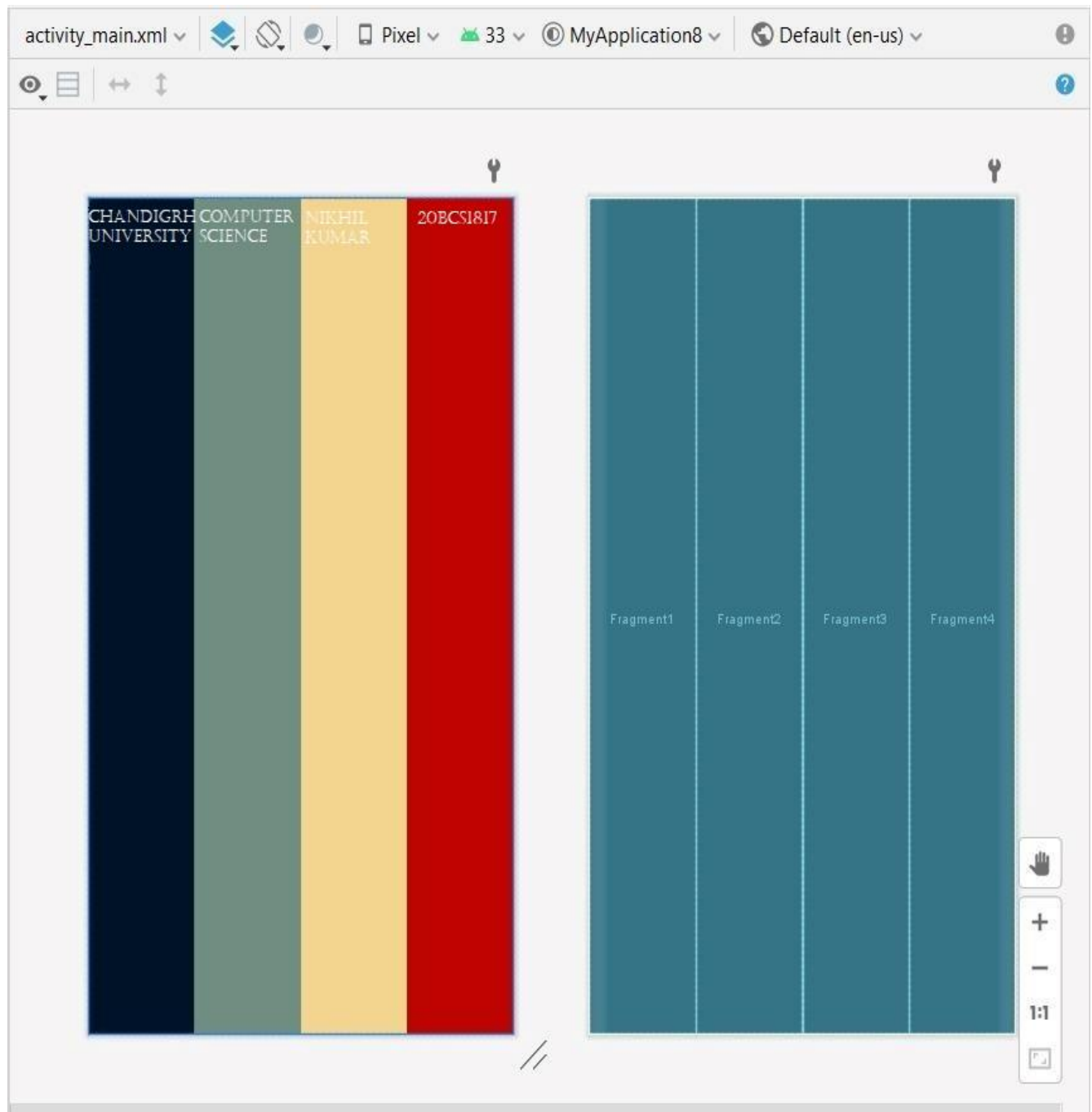
fragment_4.xml

```
<?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="#bf0603"
    tools:context=".Fragment4">

    <TextView
        android:layout_width="match_
        parent"
        android:layout_height="match
        _parent"
        android:textColor="#ffffff"
        android:text="@string/_20bcs
        3056"
        android:textSize="18sp" />

</FrameLayout>
```

OUTPUT:





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