



Bangladesh Open University

B.Sc In Computer Science & Engineering

Lab Report: 04

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| Course name | : Mobile application development lab |
| Course code | : CSE-42P5 |
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Lab Topics- Advance Adress Book (Two Different Activity works)

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Two Different App Activity in a Single app

At first i create a new project in android studio and then by default MainActivity.java & activity_main.xml is aumatically create.

```
1 |<?xml version="1.0" encoding="utf-8"?>
2 |<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3 |    xmlns:app="http://schemas.android.com/apk/res-auto"
4 |    xmlns:tools="http://schemas.android.com/tools"
5 |    android:layout_width="match_parent"
6 |    android:layout_height="match_parent"
7 |    tools:context=".MainActivity"
8 |    android:orientation="vertical">
9 |
10 |    <EditText
11 |        android:id="@+id/edtName"
12 |        android:layout_width="match_parent"
13 |        android:layout_height="wrap_content"
14 |        android:hint="Enter your full name"
15 |        android:inputType="text"/>
16 |
17 |    <EditText
18 |        android:id="@+id/edtRoll"
19 |        android:layout_width="match_parent"
20 |        android:layout_height="wrap_content"
21 |        android:hint="Enter your roll"
22 |        android:inputType="number"/>
23 |
24 |    <EditText
25 |        android:id="@+id/edtSession"
26 |        android:layout_width="match_parent"
27 |        android:layout_height="wrap_content"
28 |        android:hint="Enter your session"
29 |    />
30 |
```

Here i design the xml file to draw an interface.

```

<EditText
    android:id="@+id/edtAddress"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Enter your Address"
/>

<EditText
    android:id="@+id/edtEmail"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Enter your email"
/>

<Button
    android:id="@+id/btnSubmit"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Submit"
    android:layout_gravity="center"/>

</LinearLayout>

```

The layout is Linear .

```

btnSubmit=findViewById(R.id.btnSubmit);
edtName=findViewById(R.id.edtName);
edtRoll=findViewById(R.id.edtRoll);
edtSession=findViewById(R.id.edtSession);
edtAddress=findViewById(R.id.edtAddress);
edtEmail=findViewById(R.id.edtEmail);

```

Now in MainActivity.java i count casting operation There.

```

String name=edtName.getText().toString();
int roll=Integer.parseInt(edtRoll.getText().toString());

```

Now i create a field

```
btnSubmit.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) { openActivityTwo(); }  
});
```

The button action will activate the button

Now i Create another class which name Activity2.java

```
public static final String EXTRA_TXT = "com.example.addressapplication.example.EXTRA_TXT";  
public static final String EXTRA_NUM = "com.example.addressapplication.example.EXTRA_NUM";  
public static final String EXTRA_TXT3 = "com.example.addressapplication.example.EXTRA_TXT3";  
public static final String EXTRA_TXT4 = "com.example.addressapplication.example.EXTRA_TXT4";  
public static final String EXTRA_TXT5 = "com.example.addressapplication.example.EXTRA_TXT5";
```

Here i Declare the variable.

```

<?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"
    tools:context=".MainActivity"
    android:orientation="vertical">

    <TextView
        android:id="@+id/tvName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

    <TextView
        android:id="@+id/tvRoll"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

    <TextView
        android:id="@+id/tvSession"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

    <TextView
        android:id="@+id/tvAddress"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

    <TextView
        android:id="@+id/tvEmail"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

```

Another XML file i create to perform two Activity.

```

tvName=findViewById(R.id.tvName);
tvRoll=findViewById(R.id.tvRoll);
tvSession=findViewById(R.id.tvSession);
tvAddress=findViewById(R.id.tvAddress);
tvEmail=findViewById(R.id.tvEmail);

```

Activity 2 Casting

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main1);
}

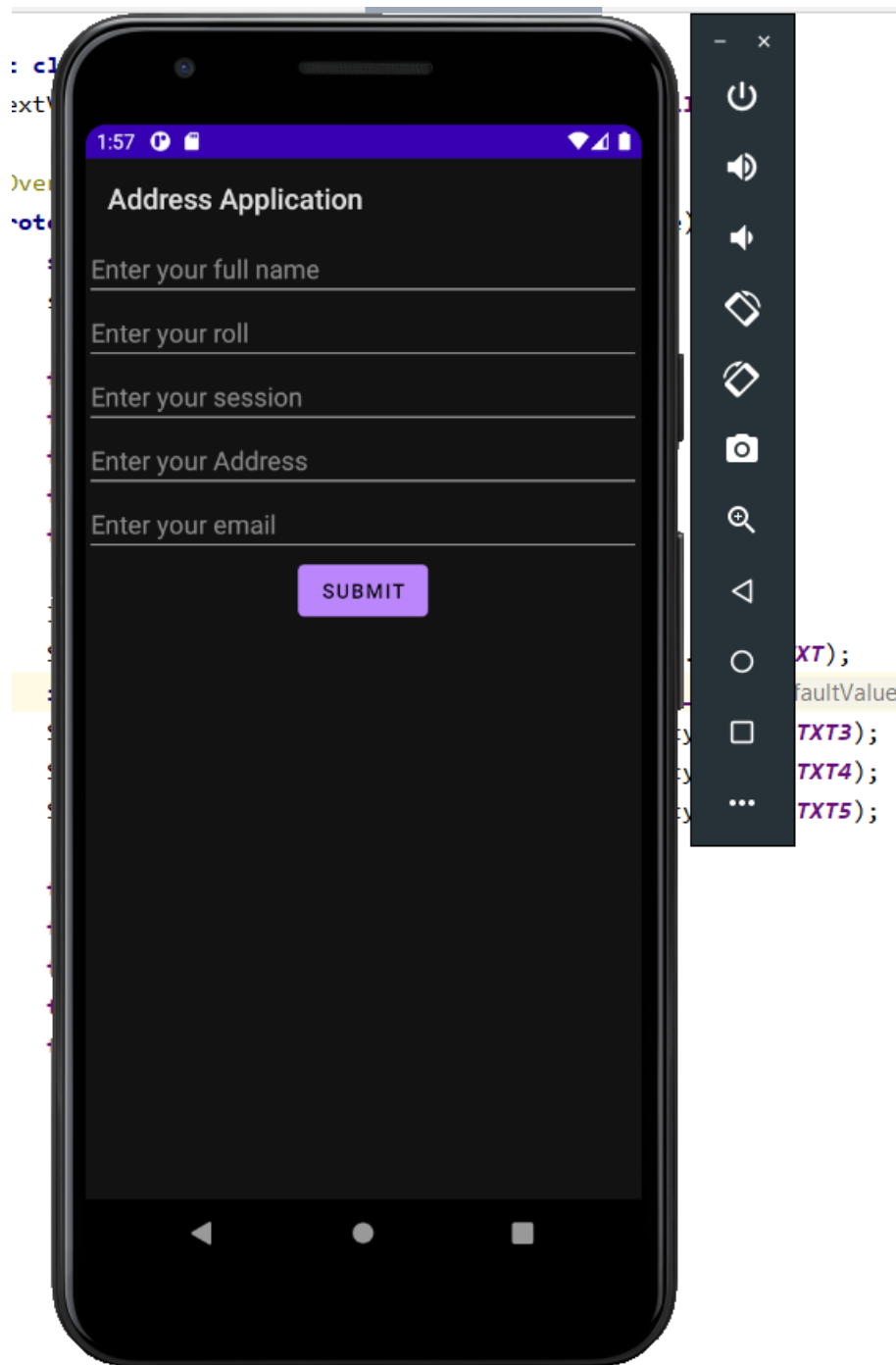
```

Activity 2 On create method.

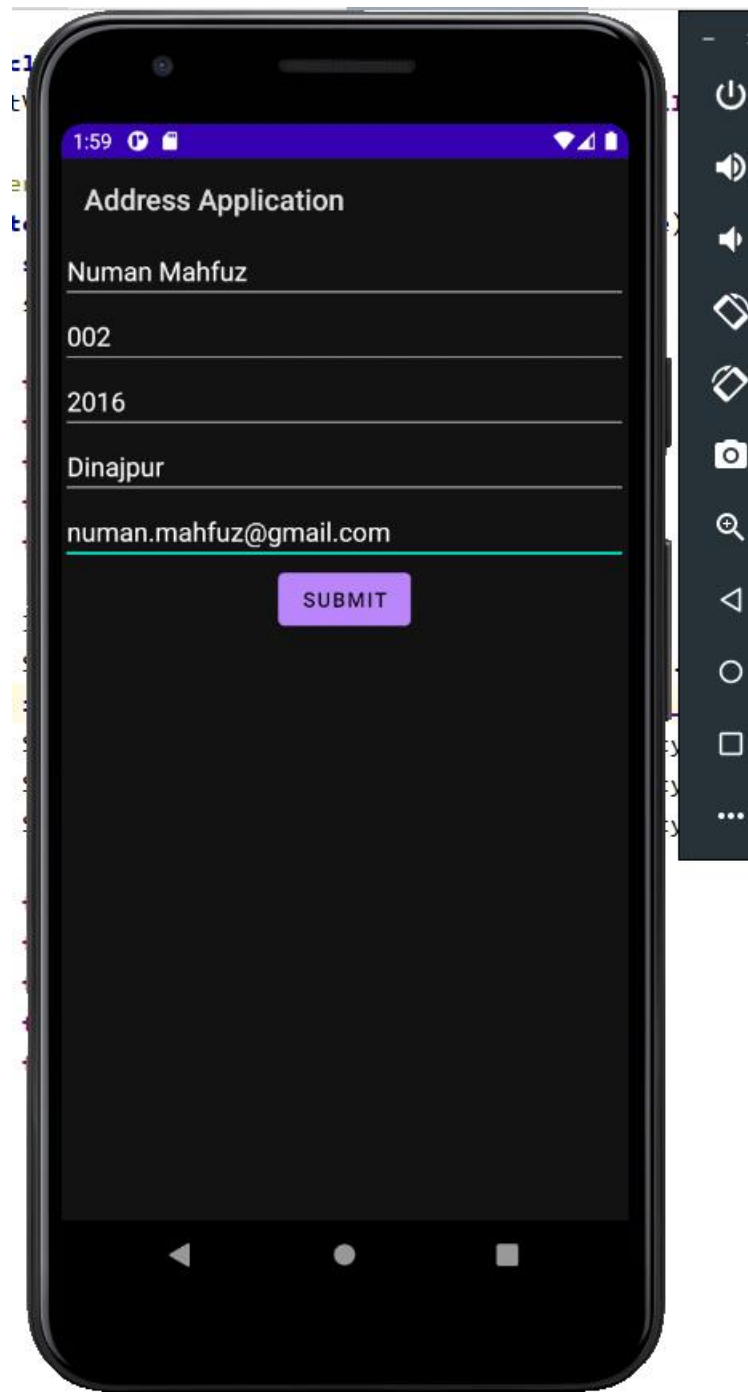
```
Intent intent = new Intent( packageContext: this,Activity2.class);
intent.putExtra(EXTRA_TXT,name);
intent.putExtra(EXTRA_NUM,roll);
intent.putExtra(EXTRA_TXT3,session);
intent.putExtra(EXTRA_TXT4,address);
intent.putExtra(EXTRA_TXT5,email);

startActivity(intent);
```

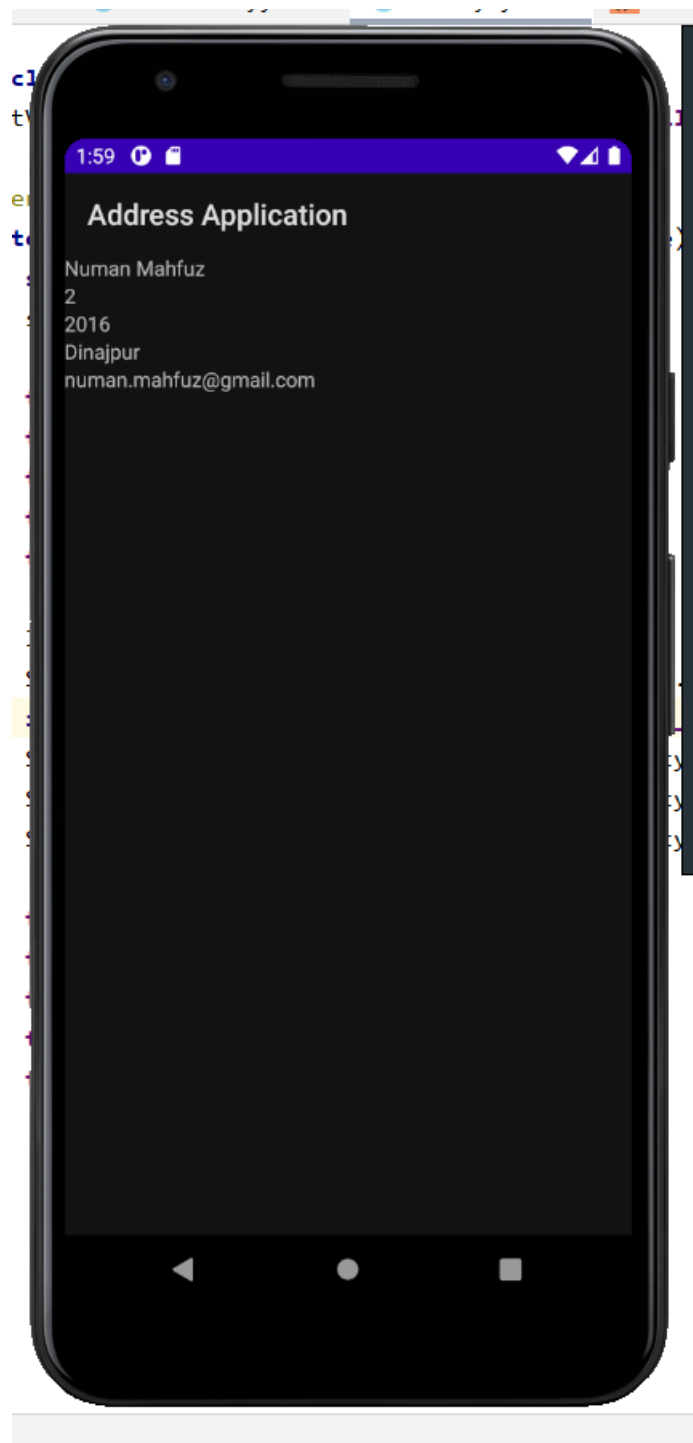
Two Activity Link.



Now i run the Adress book App.



Here i Input My Information.



Now the output open in Different Activity.