

Mobile Application Development

Practical 2: Student Details Show in Android APP.

CODE:

Andriod_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
android:background="@drawable/images"
tools:context=".MainActivity">

    <EditText
        android:id="@+id/name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="24dp"
        android:layout_marginTop="13dp"
        android:layout_marginEnd="187dp"
        android:layout_marginBottom="26dp"
        android:ems="10"
        android:hint="Enter Name"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toTopOf="@+id/n1"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView6" />

    <EditText
        android:id="@+id/n1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="24dp"
        android:layout_marginTop="20dp"
        android:layout_marginEnd="187dp"
        android:layout_marginBottom="15dp"
        android:ems="10"
        android:hint="Mobile Number"
        android:inputType="number"
```

```

app:layout_constraintBottom_toTopOf="@+id/n2"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.9"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/name" />

```

<EditText

```

    android:id="@+id/n2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="2dp"
    android:layout_marginEnd="184dp"
    android:layout_marginBottom="16dp"
    android:ems="10"
    android:hint="Enrollment Number"
    android:inputType="number"
    app:layout_constraintBottom_toTopOf="@+id/c1"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/n1" />

```

<EditText

```

    android:id="@+id/c1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="9dp"
    android:layout_marginEnd="187dp"
    android:layout_marginBottom="19dp"
    android:ems="10"
    android:hint="College"
    android:inputType="textPersonName"
    app:layout_constraintBottom_toTopOf="@+id/s1"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/n2" />

```

<EditText

```

    android:id="@+id/s1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="11dp"
    android:layout_marginEnd="187dp"
    android:layout_marginBottom="32dp"
    android:ems="10"
    android:hint="Sem"
    android:inputType="textPersonName"
    app:layout_constraintBottom_toTopOf="@+id/btn"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/c1" />

```

<TextView

```

    android:id="@+id/textView6"
    android:layout_width="162dp"
    android:layout_height="40dp"
    android:layout_marginStart="103dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="146dp"

```

```

android:layout_marginBottom="13dp"
android:background="#FFEB3B"
android:text="Personal Details"
android:textSize="20sp"
app:layout_constraintBottom_toTopOf="@+id/name"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />

```

<Button

```

android:id="@+id/btn"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="116dp"
android:layout_marginTop="23dp"
android:layout_marginEnd="201dp"
android:layout_marginBottom="235dp"
android:background="#EF6D99"
android:backgroundTint="#D38C8C"
android:text="Button"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/s1" />

```

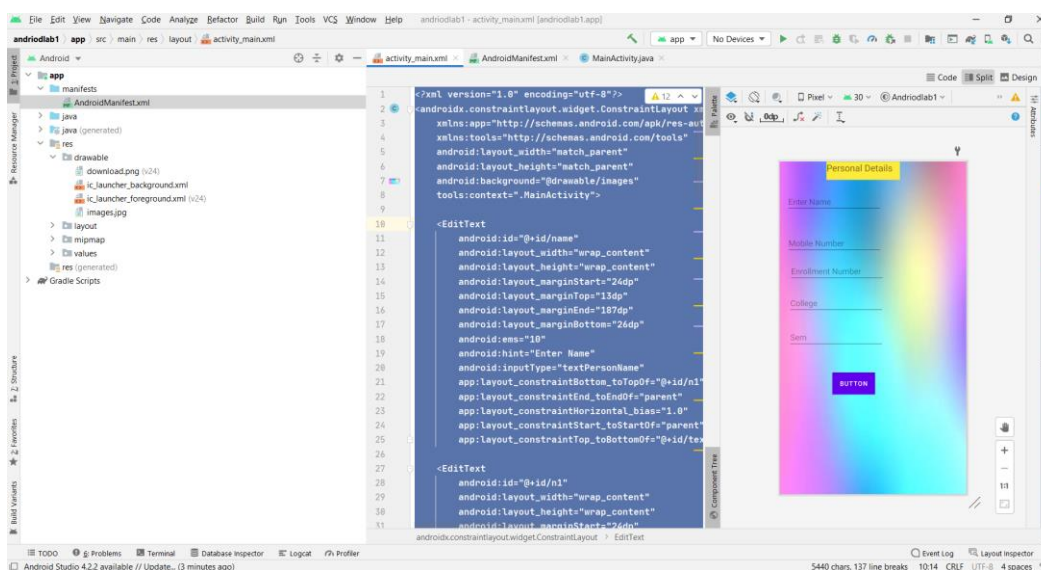
<TextView

```

android:id="@+id/output"
android:layout_width="294dp"
android:layout_height="177dp"
android:layout_marginStart="31dp"
android:layout_marginTop="41dp"
android:layout_marginEnd="112dp"
android:layout_marginBottom="34dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/btn" />

```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```



AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.andriodlab1">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@drawable/download"
        android:supportsRtl="true"
        android:theme="@style/Theme.Andriodlab1">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER"
            />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

MainActivity.java

```
package com.example.andriodlab1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    EditText name,n1,n2,s1,c1;
    Button btn;
    TextView output;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        name = findViewById(R.id.name);
        n1 = findViewById(R.id.n1);
        n2 = findViewById(R.id.n2);
        s1 = findViewById(R.id.s1);
        c1 = findViewById(R.id.c1);
        btn = findViewById(R.id.btn);
```

```

        output = findViewById(R.id.output);

        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                output.setText("Details are given below : \n" +
                    name.getText() + "\n" + n1.getText() + "\n" + n2.getText() + "\n" +
                    s1.getText() + "\n" + c1.getText() + "\n");
            }
        });
    }
}

```

Output:

12:15 PM | 43.4KB/s

Student Details

Personal Details

Arjun Vankani

8866910911

180210107060

GEC, BHAVNAGAR

Computer engineering, 7

BUTTON

12:15 PM | 10.3KB/s

Student Details

Personal Details

Arjun Vankani

8866910911

180210107060

GEC, BHAVNAGAR

Computer engineering, 7

BUTTON

Details are given below :

Arjun Vankani

8866910911

180210107060

Computer engineering, 7th

GEC, BHAVNAGAR