

EXERCISE 2

CREATE AND DISPLAY BASIC STUDENT PROFILE

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ACTIVITY_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"
tools:context=".MainActivity">

    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="168dp"
        android:layout_marginBottom="168dp"
        android:ems="10"
        android:hint="Name"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toTopOf="@+id/editTextTextPersonName3"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/editTextTextPersonName2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="1dp"
        android:layout_marginTop="60dp"
        android:ems="10"
        android:hint="Reg.no"
        android:inputType="textPersonName"
        app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName"
        app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName" />
```

<EditText

```
    android:id="@+id/editTextTextPersonName3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="305dp"
    android:ems="10"
    android:hint="Lab name"
    android:inputType="textPersonName"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName2" />
```

<Button

```
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="46dp"
    android:text="Submit"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName3" />
```

<TextView

```
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="58dp"
    android:text="STUDENT PROFILE"
    android:textSize="16sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

MAIN ACTIVITY.JAVA:

```
package com.example.exercise2;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import android.widget.Button;
```

```
import android.widget.EditText;
```

```
import android.widget.Toast;
```

```
public class MainActivity extends AppCompatActivity {

    EditText e1,e2,e3;
    Button b;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        e1=findViewById(R.id.editTextTextPersonName);
        e2=findViewById(R.id.editTextTextPersonName2);
        e3=findViewById(R.id.editTextTextPersonName3);
        b=findViewById(R.id.button);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                StringBuffer select=new StringBuffer();
                select.append(e1.getText().toString());
                select.append(" of registration number ");
                select.append(e2.getText().toString());
                select.append(" ");
                select.append(" welcome to ");
                select.append(e3.getText().toString());
                select.append(" lab.");
                Toast.makeText(MainActivity.this,select.toString(),Toast.LENGTH_LONG).show();
            }
        });
    }
}
```

OUTPUT:

The screenshot displays a mobile application interface with a black background. At the top, a status bar shows the time 6:06, a download speed of 26.8 KB/S, and a battery level of 68%. The app title 'Exercise2' is positioned at the top left of the screen. Below it, the text 'STUDENT PROFILE' is centered. The form consists of three input fields: 'Name', 'Reg.no', and 'Lab name', each with a light blue underline. A blue 'SUBMIT' button is located at the bottom of the form. The bottom of the screen features a standard Android navigation bar with back, home, and recent apps icons.

6:06 26.8 KB/S 68%

Exercise2

STUDENT PROFILE

Name

Reg.no

Lab name

SUBMIT

