**Muhammad Abdullah**

**SE(6A) | 19F-0916**

Software for Mobile Devices

Assignment # 2

Screen Navigation

First Screen Java Code:

**package** com.example.lab\_work\_smd\_section\_bsse\_6a.MakeupFirst;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.EditText;  
  
**import** com.example.lab\_work\_smd\_section\_bsse\_6a.IntentExamples.IntentExampleOneSecondActivityMainActivity;  
**import** com.example.lab\_work\_smd\_section\_bsse\_6a.R;  
  
**public class** Std\_First **extends** AppCompatActivity {  
  
 EditText **name**,**cnic**,**phone**,**cgpa**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_std\_first***);  
 **name** = findViewById(R.id.***txtName***);  
 **cnic** = findViewById(R.id.***txtCnic***);  
 **phone** = findViewById(R.id.***txtPhone***);  
 **cgpa** = findViewById(R.id.***txtCGPA***);  
 }  
  
 **public void** SendDetails(View view) {  
 Intent intent = **new** Intent(**this**, Std\_Second.**class**);  
 intent.putExtra(**"K1"**,String.*valueOf*(**name**.getText()));  
 intent.putExtra(**"K2"**,String.*valueOf*(**cnic**.getText()));  
 intent.putExtra(**"K3"**,String.*valueOf*(**phone**.getText()));  
 intent.putExtra(**"K4"**,String.*valueOf*(**cgpa**.getText()));  
 startActivity(intent);  
 }  
}

First Screen XML Code:

*<?***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="#2196F3"  
 tools:context=".MakeupFirst.Std\_First"**>  
  
 <**EditText  
 android:id="@+id/txtCGPA"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="48dp"  
 android:autofillHints=""  
 android:ems="10"  
 android:hint="@string/cgpa"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.503"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txtPhone"** />  
  
 <**EditText  
 android:id="@+id/txtName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="112dp"  
 android:autofillHints=""  
 android:ems="10"  
 android:hint="@string/name"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.503"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**EditText  
 android:id="@+id/txtCnic"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="48dp"  
 android:autofillHints=""  
 android:ems="10"  
 android:hint="@string/cnic"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.503"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txtName"** />  
  
 <**EditText  
 android:id="@+id/txtPhone"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="44dp"  
 android:autofillHints=""  
 android:ems="10"  
 android:hint="@string/phone"  
 android:inputType="textPersonName"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.503"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txtCnic"** />  
  
 <**Button  
 android:id="@+id/btnSendDetails"  
 android:layout\_width="278dp"  
 android:layout\_height="60dp"  
 android:onClick="SendDetails"  
 android:text="@string/send\_details"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txtCGPA"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Initial First Screen:

A screenshot of a phone

Description automatically generated with medium confidence

After Entering Data:

A screenshot of a phone

Description automatically generated with low confidence

Second Screen Java Code:

**package** com.example.lab\_work\_smd\_section\_bsse\_6a.MakeupFirst;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.TextView;  
  
**import** com.example.lab\_work\_smd\_section\_bsse\_6a.R;  
  
**public class** Std\_Second **extends** AppCompatActivity {  
  
 TextView **namee**,**cnicc**,**phonee**,**cgpaa**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_std\_second***);  
 **namee** = findViewById(R.id.***txttxtIncomingname***);  
 **cnicc** = findViewById(R.id.***txttxtIncomingcnic***);  
 **phonee** = findViewById(R.id.***txttxtIncomingphone***);  
 **cgpaa** = findViewById(R.id.***txtIncomingCgpa***);  
 }  
  
 @Override  
 **protected void** onStart() {  
 **super**.onStart();  
 Intent intent = getIntent();  
 **namee**.setText(intent.getStringExtra(**"K1"**));  
 **cnicc**.setText(intent.getStringExtra(**"K2"**));  
 **phonee**.setText(intent.getStringExtra(**"K3"**));  
 **cgpaa**.setText(intent.getStringExtra(**"K4"**));  
  
 }  
  
 **public void** goBack(View view) {  
 Intent intent = **new** Intent(**this**,Std\_First.**class**);  
 startActivity(intent);  
 }  
}

Second Screen XML Code:

*<?***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="#2196F3"  
 tools:context=".MakeupFirst.Std\_Second"**>  
  
 <**TextView  
 android:id="@+id/txttxtIncomingname"  
 android:layout\_width="233dp"  
 android:layout\_height="55dp"  
 android:layout\_marginTop="100dp"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.91"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:id="@+id/txttxtIncomingphone"  
 android:layout\_width="229dp"  
 android:layout\_height="62dp"  
 android:layout\_marginTop="40dp"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.884"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txttxtIncomingcnic"** />  
  
 <**TextView  
 android:id="@+id/txtIncomingCgpa"  
 android:layout\_width="229dp"  
 android:layout\_height="57dp"  
 android:layout\_marginTop="36dp"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.89"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txttxtIncomingphone"** />  
  
 <**TextView  
 android:id="@+id/txttxtIncomingcnic"  
 android:layout\_width="228dp"  
 android:layout\_height="52dp"  
 android:layout\_marginTop="44dp"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.879"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txttxtIncomingname"** />  
  
 <**Button  
 android:id="@+id/btnGoBack"  
 android:layout\_width="164dp"  
 android:layout\_height="57dp"  
 android:onClick="goBack"  
 android:text="@string/go\_back"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.905"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txtIncomingCgpa"  
 app:layout\_constraintVertical\_bias="0.851"** />  
  
 <**TextView  
 android:id="@+id/textView3"  
 android:layout\_width="133dp"  
 android:layout\_height="54dp"  
 android:layout\_marginTop="100dp"  
 android:text="@string/namee"  
 android:textSize="34sp"  
 android:textStyle="bold|italic"  
 app:layout\_constraintEnd\_toStartOf="@+id/txttxtIncomingname"  
 app:layout\_constraintHorizontal\_bias="0.551"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:id="@+id/textView4"  
 android:layout\_width="133dp"  
 android:layout\_height="54dp"  
 android:layout\_marginTop="40dp"  
 android:text="@string/cnicc"  
 android:textSize="34sp"  
 android:textStyle="bold|italic"  
 app:layout\_constraintEnd\_toStartOf="@+id/txttxtIncomingcnic"  
 app:layout\_constraintHorizontal\_bias="0.571"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView3"** />  
  
 <**TextView  
 android:id="@+id/textView7"  
 android:layout\_width="133dp"  
 android:layout\_height="54dp"  
 android:layout\_marginTop="40dp"  
 android:text="@string/phonee"  
 android:textSize="34sp"  
 android:textStyle="bold|italic"  
 app:layout\_constraintEnd\_toStartOf="@+id/txttxtIncomingphone"  
 app:layout\_constraintHorizontal\_bias="0.571"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView4"** />  
  
 <**TextView  
 android:id="@+id/textView8"  
 android:layout\_width="133dp"  
 android:layout\_height="54dp"  
 android:text="@string/cgpaa"  
 android:textSize="34sp"  
 android:textStyle="bold|italic"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/txtIncomingCgpa"  
 app:layout\_constraintHorizontal\_bias="0.551"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView7"  
 app:layout\_constraintVertical\_bias="0.143"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Second Screen After Pressing Button on First Screen:

A screenshot of a phone

Description automatically generated with medium confidence