3 ANDROID WIDGETS

acivity.xml

```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="#003366 "
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/ed"
        android:layout_width="258dp"
        android:layout_height="52dp"
        android:ems="10"
        android:fontFamily="@font/arbutus"
        android:hint="ENTER YOUR NAME"
        android:inputType="textPersonName"
        android:textColor="#D61212"
        android:textColorHint="#570A0A"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.088" />

    <Button
        android:id="@+id/btn"
        android:layout_width="146dp"
        android:layout_height="51dp"
        android:text="SUBMIT"
        android:textColor="#E10E0E"
        android:textColorHint="#A87575"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.547"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/ed"
        app:layout_constraintVertical_bias="0.188" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="240dp"
        android:layout_height="73dp"
        android:text="@string/LabelText"
        android:textColor="#E10E0E"
        app:layout_constraintBottom_toBottomOf="parent"
```

```
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.584"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/btn"
        app:layout_constraintVertical_bias="0.501" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

String.xml

```xml
<resources>
<string name="app_name">NewApp</string>
<string name="ButtonText">click</string>
<string name="LabelText">This text will be edited</string>
</resources>
```

MainActivity.java

```java
package com.example.newapp;
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;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
EditText nameText;
Button click;
TextView myLabel;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
nameText = findViewById(R.id.ed);
click = findViewById(R.id.btn);
myLabel = findViewById(R.id.textView);
click.setOnClickListener(new View.OnClickListener(){
@Override
public void onClick(View view) {
String name = nameText.getText().toString();
myLabel.setText(name);
Toast.makeText(MainActivity.this, name+"Welcome",
Toast.LENGTH_LONG).show();
}
});
}
}
```

adarsh

SUBMIT

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