[12/3, 8:18 AM] Nihit 👆: <?xml version="1.0" encoding="utf-8"?>

```xml
<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:id="@+id/screen1"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:background="#F9FAF6"

    tools:context=".MainActivity">


    <TextView

        android:id="@+id/textView2"

        android:layout_width="357dp"

        android:layout_height="55dp"

        android:text="UNIT_CONVERTER"

        android:textAlignment="center"

        android:textAllCaps="false"

        android:textColor="@color/design_default_color_primary_variant"

        android:textSize="36sp"

        android:textStyle="bold"

        app:layout_constraintBottom_toBottomOf="parent"

        app:layout_constraintHorizontal_bias="0.468"

        app:layout_constraintLeft_toLeftOf="parent"

        app:layout_constraintRight_toRightOf="parent"

        app:layout_constraintTop_toTopOf="parent"

        app:layout_constraintVertical_bias="0.127" />
```

```xml
<EditText
    android:id="@+id/val"
    android:layout_width="241dp"
    android:layout_height="51dp"
    android:ems="10"
    android:hint="Enter number"
    android:inputType="textPersonName"
    android:textAlignment="center"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.427"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.278" />

<EditText
    android:id="@+id/res"
    android:layout_width="242dp"
    android:layout_height="53dp"
    android:ems="10"
    android:hint="result"
    android:inputType="textPersonName"
    android:textAlignment="center"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.426"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
```

```xml
        app:layout_constraintVertical_bias="0.389" />


    <RadioGroup
        android:id="@+id/radgrp"
        android:layout_width="275dp"
        android:layout_height="184dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.402"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.639">

        <RadioButton
            android:id="@+id/rb1"
            android:layout_width="match_parent"
            android:layout_height="48dp"
            android:text="cm_to_m"
            android:textAlignment="textStart"
            android:textSize="18sp" />

        <RadioButton
            android:id="@+id/rb2"
            android:layout_width="match_parent"
            android:layout_height="48dp"
            android:text="M_to_CM"
            android:textAlignment="textStart"
            android:textSize="18sp" />
```

```xml
<RadioButton
    android:id="@+id/rb3"
    android:layout_width="match_parent"
    android:layout_height="47dp"
    android:text="feet_to_inch"
    android:textAlignment="textStart"
    android:textSize="18sp"
    tools:ignore="DuplicateIds" />

<RadioButton
    android:id="@+id/rb4"
    android:layout_width="match_parent"
    android:layout_height="44dp"
    android:text="inch_to_feet"
    android:textSize="18sp" />
</RadioGroup>

<Button
    android:id="@+id/conv_bt"
    android:layout_width="203dp"
    android:layout_height="62dp"
    android:text="convert"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.435"
    app:layout_constraintStart_toStartOf="parent"
```

```
    app:layout_constraintTop_toTopOf="parent"

    app:layout_constraintVertical_bias="0.86" />
```

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

[12/3, 8:18 AM] Nihit 👆: package com.example.unitconvertor;

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

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    EditText val,res;
    Button conv_bt;
    RadioButton rb1,rb2,rb3,rb4;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        val = (EditText)findViewById(R.id.val);
        res = (EditText)findViewById(R.id.res);
```

```java
conv_bt = (Button)findViewById(R.id.conv_bt);

rb1 = (RadioButton)findViewById(R.id.rb1);

rb2 = (RadioButton)findViewById(R.id.rb2);

rb3 = (RadioButton)findViewById(R.id.rb3);

rb4 = (RadioButton)findViewById(R.id.rb4);


conv_bt.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        String a = val.getText().toString();
        float n = Float.parseFloat(a);
        float c;
        if(rb1.isChecked()) {
            c=n/100;
            res.setText("Result ="+c);
        }
        else if(rb2.isChecked()) {
            c=n*100;
            res.setText("Result ="+c);
        }
        else if(rb3.isChecked()) {
            c=n*12;
            res.setText("Result ="+c);
        }
        else if(rb4.isChecked()) {
            c=n/12;
            res.setText("Result ="+c);
        }
    }
```

```
        });
    }
}
```