

Currency Converter-

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">

    <TextView
        android:id="@+id/textView"
        android:layout_width="308dp"
        android:layout_height="47dp"
        android:text="Currency Converter"
        android:textAppearance="@style/TextAppearance.AppCompat.Display2"
        android:textColor="#002B27"
        android:textColorHighlight="#88E41E"
        android:textSize="35sp"
        app:layout_constraintBottom_toTopOf="@+id/editText2"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <RadioGroup
        android:id="@+id/radioGroup"
        android:layout_width="230dp"
        android:layout_height="49dp"
        android:orientation="horizontal"
        app:layout_constraintBottom_toTopOf="@+id/button"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/editText2">

        <RadioButton
            android:id="@+id/radioButton"
            android:layout_width="76dp"
            android:layout_height="wrap_content"
            android:text="USD"
            android:textAppearance="@style/TextAppearance.AppCompat.Display1"
            android:textSize="15sp" />

        <RadioButton
            android:id="@+id/radioButton2"
            android:layout_width="84dp"
            android:layout_height="wrap_content"
            android:text="EURO"
            android:textAppearance="@style/TextAppearance.AppCompat.Display1"
            android:textSize="15sp" />

        <RadioButton
            android:id="@+id/radioButton3"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="YEN"
            android:textAppearance="@style/TextAppearance.AppCompat.Display1"
            android:textSize="15sp" />

        <RadioButton
            android:id="@+id/radioButton20"
            android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:text="YEN"
        android:textAppearance="@style/TextAppearance.AppCompat.Display1"
        android:textSize="15sp" />
    </RadioGroup>

    <EditText
        android:id="@+id/editText2"
        android:layout_width="233dp"
        android:layout_height="48dp"
        android:ems="10"
        android:hint="Enter the value in INR"
        android:inputType="none|text"
        android:textAppearance="@style/TextAppearance.AppCompat.Display1"
        android:textSize="20sp"
        app:layout_constraintBottom_toTopOf="@+id/radioGroup"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.516"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <Button
        android:id="@+id/button"
        android:layout_width="232dp"
        android:layout_height="62dp"
        android:text="CONVERT"
        android:textAppearance="@style/TextAppearance.AppCompat.Display1"
        app:layout_constraintBottom_toTopOf="@+id/textView2"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/radioGroup" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="238dp"
        android:layout_height="91dp"
        android:textAppearance="@style/TextAppearance.AppCompat.Display2"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/button" />

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

ActivityMain.java-

```
package com.lab1.currencyconverter;

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.RadioGroup;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

```
final Button b1=(Button)findViewById(R.id.button);
b1.setOnClickListener(new View.OnClickListener() {
    public void onClick(View v) {
        final EditText e1 =(EditText)findViewById(R.id.editText2);
        final TextView t1 =(TextView)findViewById(R.id.textView2);
        final RadioGroup rg=(RadioGroup)findViewById(R.id.radioGroup);
        final int i=rg.getCheckedRadioButtonId();
        final RadioButton rd=(RadioButton)findViewById(i);
        int ab =Integer.parseInt(e1.getText().toString());
        if(rd.getText().equals("USD"))
        {
            t1.setText(String.valueOf(ab*0.014));
        }
        else if (rd.getText().equals("EURO"))
        {
            t1.setText(String.valueOf(ab*0.214));
        }
        else if (rd.getText().equals("YEN"))
        {
            t1.setText(String.valueOf(ab*1.014));
        }
    }
});
}
```

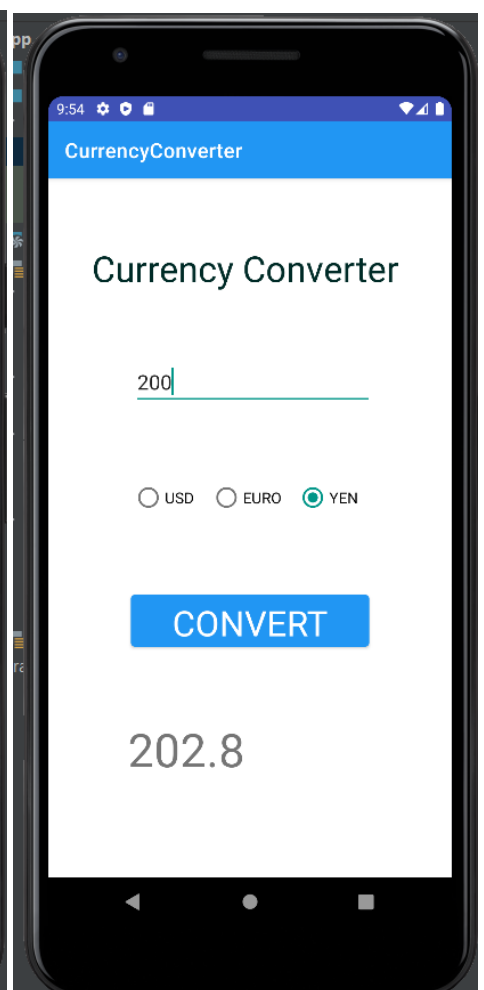
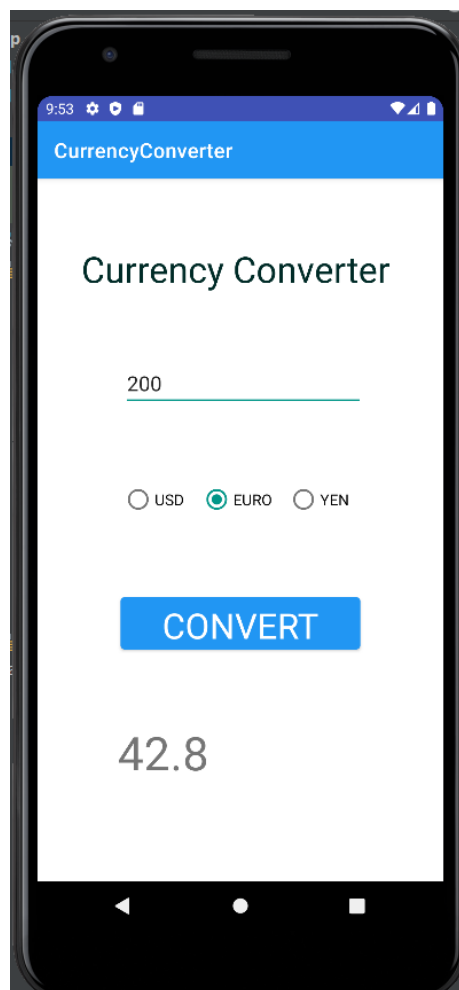
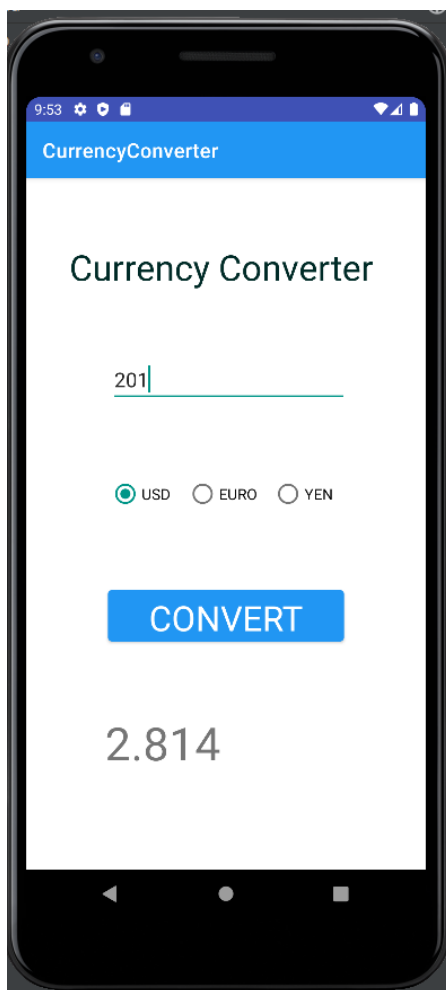


Image in Android-

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">

    <androidx.gridlayout.widget.GridLayout
        android:layout_width="409dp"
        android:layout_height="729dp"
        tools:layout_editor_absoluteX="1dp"
        tools:layout_editor_absoluteY="1dp"
        tools:ignore="MissingConstraints">

        <ImageView
            android:id="@+id/imageView"
            android:layout_width="206dp"
            android:layout_height="362dp"
            app:srcCompat="@drawable/a" />

        <ImageView
            android:id="@+id/imageView2"
            android:layout_width="202dp"
            android:layout_height="363dp"
            app:layout_column="1"
            app:layout_row="0"
            app:srcCompat="@drawable/a2" />

        <ImageView
            android:id="@+id/imageView3"
            android:layout_width="209dp"
            android:layout_height="369dp"
            app:layout_column="0"
            app:layout_row="1"
            app:srcCompat="@drawable/a3" />

        <ImageView
            android:id="@+id/imageView4"
            android:layout_width="199dp"
            android:layout_height="370dp"
            app:layout_column="1"
            app:layout_row="1"
            app:srcCompat="@drawable/a4" />
    </androidx.gridlayout.widget.GridLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

