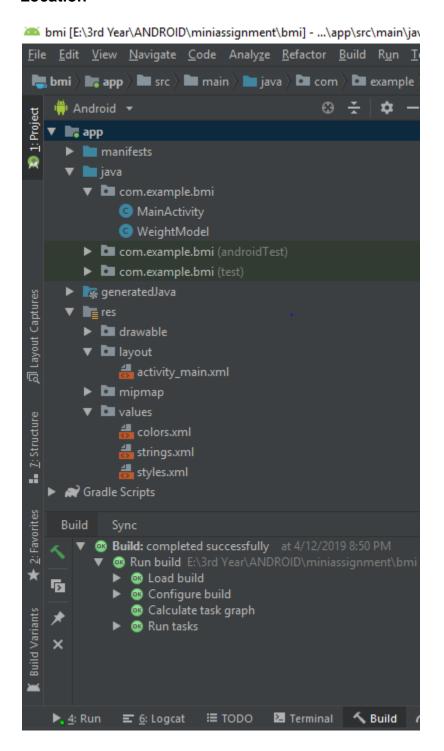
1. Body Mass Index(BMI)

Location



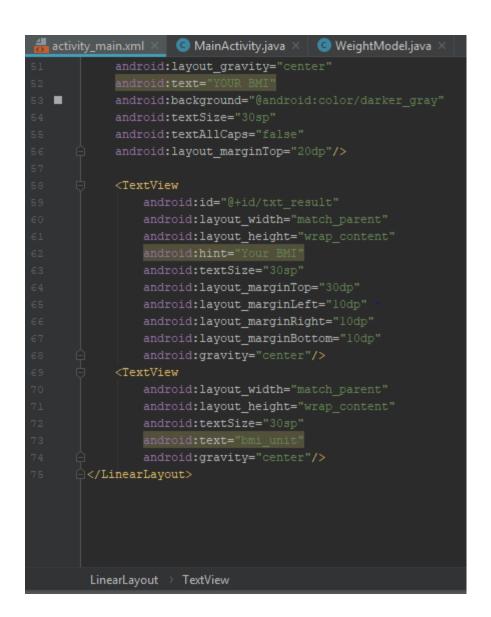
Main activity.java

```
🏭 activity_main.xml 🗡 🏻 😉 MainActivity.java 🗡
                                         ■ WeightModel.java >
        package com.example.bmi;
       import android.support.v7.app.AppCompatActivity;
        import android.os.Bundle;
        import android.view.View;
       import android.widget.Button;
        import android.widget.TextView;
       import android.widget.Toast;
       public class MainActivity extends AppCompatActivity {
        private Button btncalculate;
14 🔿
           protected void onCreate(Bundle savedInstanceState) {
                super.onCreate(savedInstanceState);
                setContentView(R.layout.activity main);
                initiate();
                setbutton();
            private void initiate() {
        txtweight=findViewById(R.id.txt weight);
        txtheight=findViewById(R.id.txt height);
        txtResult = findViewById(R.id.txt result);
       btncalculate = findViewById(R.id.btncalculate);
           private void setbutton() {
                btncalculate.setOnClickListener((v) → { CalculateBMI(); });
        MainActivity > initiate()
```

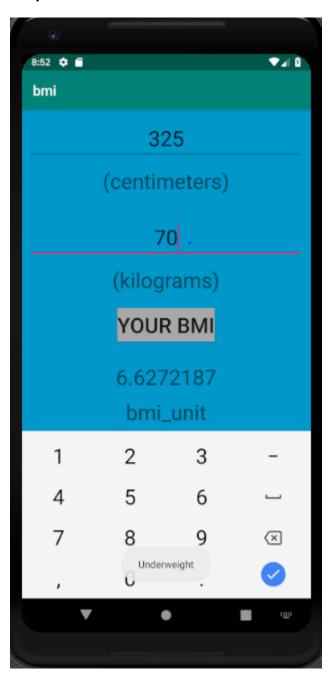
Activity_main.xml

```
🏮 😉 MainActivity.java 🗡 🥥 WeightModel.java
🚜 activity_main.xml
       <?xml version="1.0" encoding="utf-8"?>
       <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
            android:layout width="match parent"
            android:layout height="match parent"
           android:background="@android:color/holo blue dark">
           <EditText
                android:id="@+id/txt height"
                android:layout width="match parent"
                android:layout_height="wrap_content"
                android:inputType="numberDecimal"
                android:gravity="center"
                android:layout margin="10dp"
           <TextView
                android:layout width="wrap content"
                android:layout_height="wrap_content"
                android:layout gravity="center"
            <EditText
                android:id="@+id/txt weight"
                android:layout width="match parent"
                android:layout height="wrap content"
        LinearLayout
 Design
```

```
activity_main.xml
                    android:iayout_neignt= wrap_content
               android:textSize="30sp"
               android:gravity="center"
               android:layout_marginTop="30dp"
               android:inputType="numberDecimal"
               android:layout marginLeft="10dp"
               android:layout_marginRight="10dp"
               android:layout_marginBottom="10dp"
           <TextView
               android:layout width="wrap content"
               android:layout_height="wrap_content"
               android:layout_gravity="center"
       <Button
           android:id="@+id/btncalculate"
           android:layout width="wrap content"
           android:layout height="wrap content"
           android:layout gravity="center"
53 🔳
           android:background="@android:color/darker gray"
           android:textSize="30sp"
           android:textAllCaps="false"
           android:layout_marginTop="20dp"/>
           <TextView
        LinearLayout → TextView
```

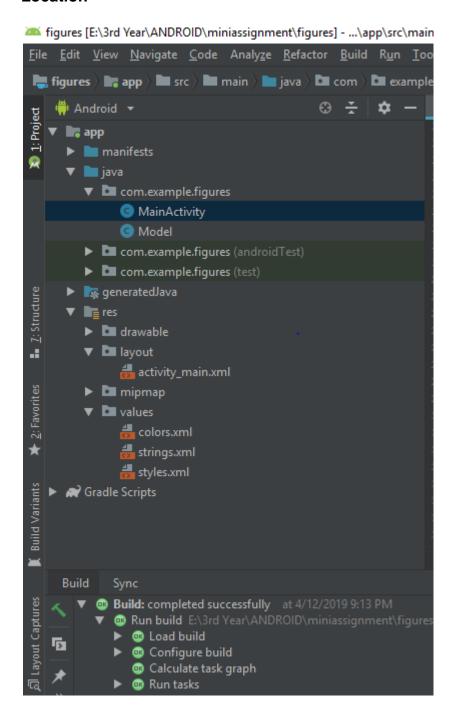


Output



2. Converting numbers into figures

Location



Main_activity.java

```
MainActivity.java :
       package com.example.figures;
       public class MainActivity extends AppCompatActivity {
           protected void onCreate(Bundle savedInstanceState) {
               super.onCreate(savedInstanceState);
               setContentView(R.layout.activity_main);
           private void initiate(){
               txtnumber=findViewById(R.id.txtInput);
               txtresult=findViewById(R.id.txtOutput);
               btnConvert=findViewById(R.id.btnConvert);
           private void setAction(){
               btnConvert.setOnClickListener((v) - {
                       int input = Integer.parseInt(txtnumber.getText().toString());
                       Model model = new Model();
                       if (input < 20) {
                           txtresult.setText(model.getOnes()[input]);
                       } else if (input < 100) {
                           int tensIndex = input / 10;
                           int onesIndex = input % 10;
```

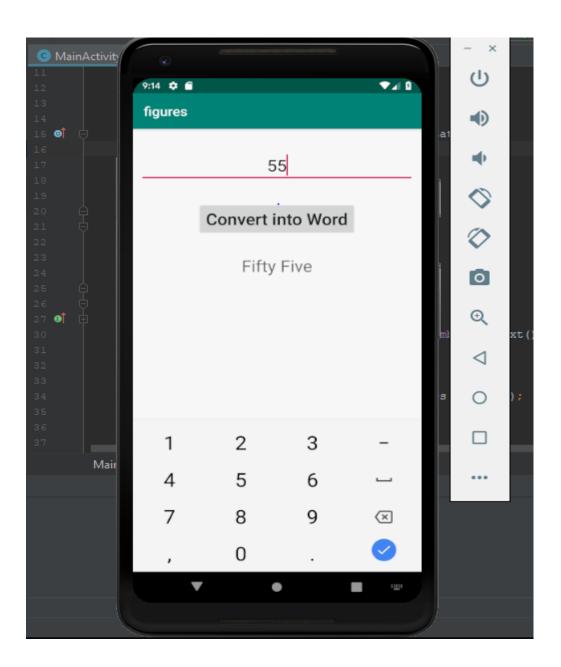
Model.java

Main_activity.xml

```
<?xml version="1.0" encoding="utf-8"?>
  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"
         <EditText
            android:layout width="match parent"
            android:layout_height="wrap_content"
             android:inputType="number"
             android:gravity="center"
             android:layout_marginTop="30dp"
             android:layout marginRight="10dp"
             android:layout_marginLeft="10dp"
             android:layout_marginBottom="10dp"
         <Button
             android:layout width="wrap content"
 Design Text
```

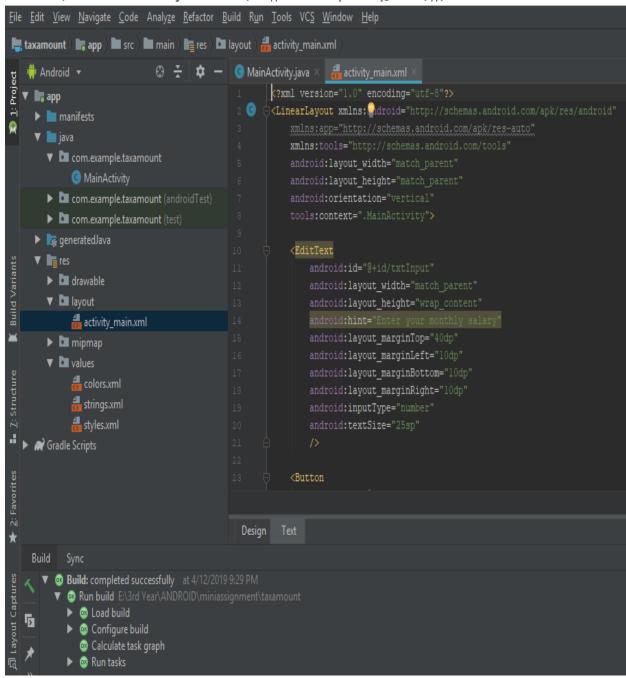
```
G MainActivity.java × G Model.java × 🚜 activity_main.xml
              android:maxLength="3
          <Button
               android:id="@+id/btnConvert"
              android:layout width="wrap content"
               android:layout_height="wrap_content"
               android:layout_gravity="center"
               android:textAllCaps="false"
               android:layout_marginTop="20dp"/>
          <TextView
               android:id="@+id/txtOutput"
               android:layout width="match parent"
               android:layout_height="wrap_content"
               android:gravity="center"
               android:layout_marginTop="30dp"
     Design Text
```

Output



3. Tax amount calculation activity_main.xml

taxamount [E:\3rd Year\ANDROID\miniassignment\taxamount] - ...\app\src\main\res\layout\activity_main.xml [app] - Android Studio

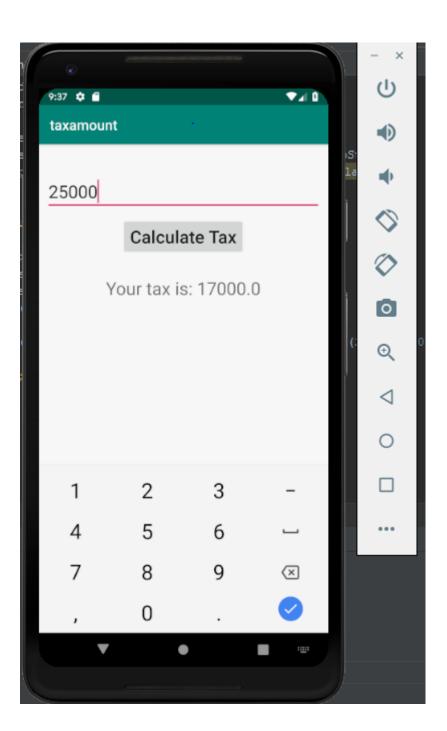


```
🜀 MainActivity.java 🗡 🚜 activity_main.xml
           <Button
              android:id="@+id/btnCalculate"
               android:layout_width="wrap_content"
             android:layout height="wrap content"
               android:layout_gravity="center"
               android:textAllCaps="false"
          <TextView
              android:id="@+id/txtOutput"
               android:layout_width="match_parent"
               android:layout_height="wrap_content"
               android:textSize="25sp"
               android:layout_marginTop="30dp"
               android:gravity="center"/>
      ♠</LinearLayout>
 Design
```

Mainactivity.java

```
🕓 MainActivity.java 🗴 🛮 🚜 activity_main.xml 🔾
       package com.example.taxamount;
       public class MainActivity extends AppCompatActivity {
           private EditText txtInput;
           private Button btnCalculate;
           protected void onCreate(Bundle savedInstanceState) {
               super.onCreate(savedInstanceState);
               setContentView(R.layout.activity main);
               txtInput = findViewById(R.id.txtInput);
               txtOutput = findViewById(R.id.txtOutput);
               btnCalculate = findViewById(R.id.btnCalculate);
               btnCalculate.setOnClickListener((v) -> {
                       float salary = Float.parseFloat(txtInput.getText().toString());
           private float calculate(float salary) {
                   if (salary>=1 && salary<=200000) {
       MainActivity
```

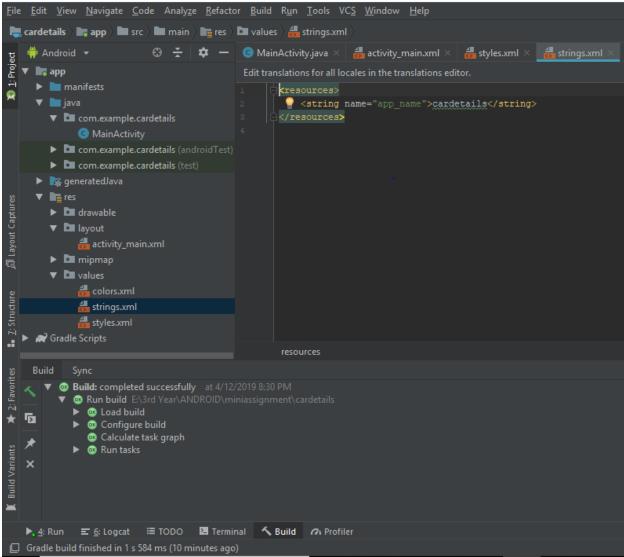
Output



4. Car details

Location

👅 cardetails [E:\3rd Year\ANDROID\miniassignment\cardetails] - ...\app\src\main\res\values\strings.xml [app] - Android Studio <u>F</u>ile <u>E</u>dit <u>V</u>iew <u>Navigate <u>C</u>ode Analy<u>z</u>e <u>R</u>efactor <u>B</u>uild R<u>u</u>n <u>T</u>ools VC<u>S <u>W</u>indow <u>H</u>elp</u></u>



Main activity.java

```
txtMake = findViewById(R.id.txtMake);
txtYear = findViewById(R.id.txtYear);
txtColor = findViewById(R.id.txtColor);
txtPurchasePrice = findViewById(R.id.txtEngineSize);

txtEurchasePrice = findViewById(R.id.txtEngineSize);

txtEngineSize = findViewById(R.id.txtEngineSize);

txtScrollable = findViewById(R.id.txtScrollable);
txtScrollable.setMovementMethod(new ScrollingMovementMethod());

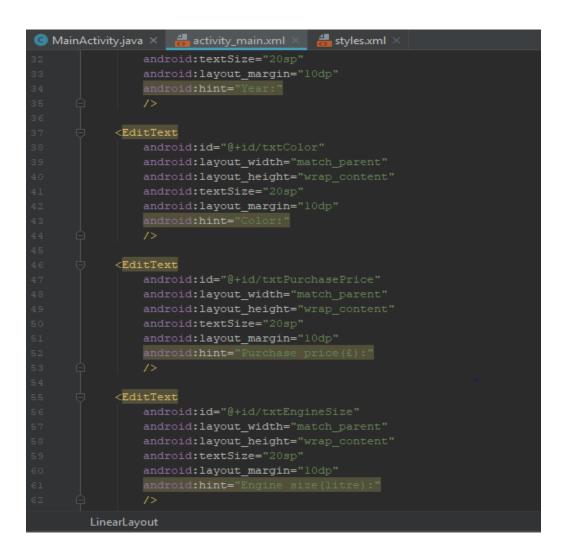
btnCreateCar = findViewById(R.id.btnCreateCar);
btnCreateCar.setOnClickListener((v) - { performAction(); });

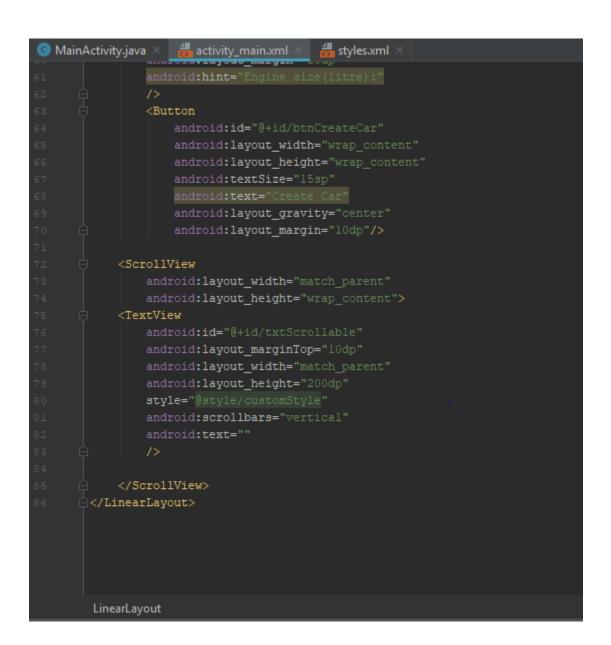
private void performAction() {

String data = "\r\n" + "Make:"+txtMake.getText().toString()+"."+"\r\n" + "Year:"+txtYear.getText().toString()
+"."+"\r\n" + "Color:"+txtColor.getText().toString()
+"."+"\r\n" + "Engine Size:"+txtEngineSize.getText().toString();
txtScrollable.setText(txtScrollable.getText().toString()+"\r\n" + "Atata);
}
```

Main_activity.xml

```
🜀 MainActivity.java 🗴 🛮 🚓 activity_main.xml 🗴
                                         🏭 styles.xml >
       <?xml version="1.0" encoding="utf-8"?>
       <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
           android:layout width="match parent"
           android:layout_height="match_parent"
  android:background="#c0c0c0">
               android:layout_width="match_parent"
               android:layout_height="wrap_content"
               android:textSize="20sp"
               android:layout_margin="10dp"
           <EditText
               android:layout_width="match_parent"
               android:layout_height="wrap_content"
               android:textSize="20sp"
               android:layout_margin="10dp"
           <EditText
                android:layout_width="match_parent"
               android:layout_height="wrap_content"
        LinearLayout > ScrollView > TextView
```





Styles.xml

```
    activity_main.xml ×

                                         🚚 styles.xml
🌀 MainActivity.java 🗵
       <resources>
           <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
               <item name="colorPrimary">@color/colorPrimary</item>
               <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
               <item name="colorAccent">@color/colorAccent</item>
            </style>
            <style name="customStyle">
               <item name="android:textSize">20sp</item>
               <item name="android:layout_margin">10dp</item>
               <item name="android:layout_height">wrap_content</item>
               <item name="android:layout_width">match_parent</item>
               <item name="android:background">#FD7701</item>
               <item name="android:color">#ffffff</item>
               <item name="android:padding">10dp</item>

⟨</resources>

        resources >> style
```

String.xml

Output:

cardetails] - ...\app\src\main\res\values\strings.xml [app] - Android Studio

