Ex. No. : 01C **Date: 2/2/16**

Register No.: 231701025 **Name: KAMALESH R**

BMI Calculator

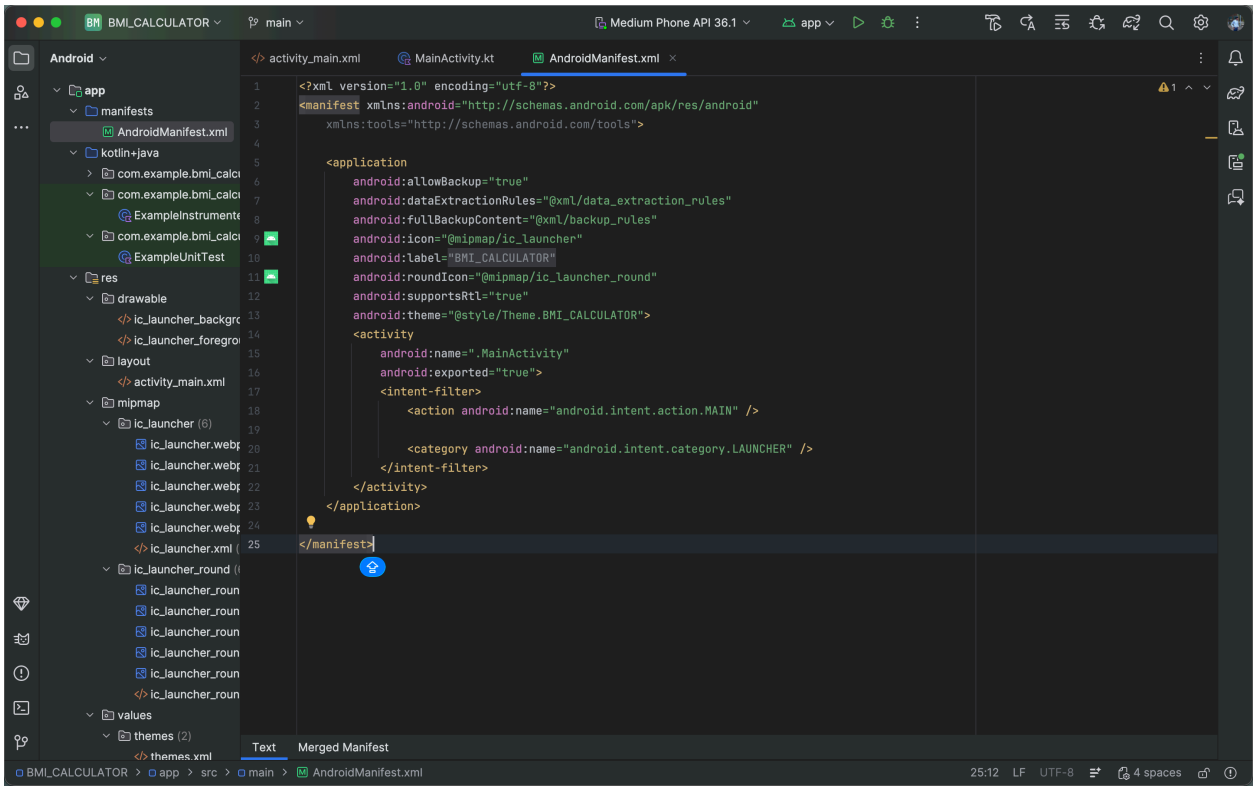
Aim

Create an app that calculates the Body Mass Index (BMI) based on user input for weight and height in EditText fields. The result is displayed in a TextView after pressing a Button.

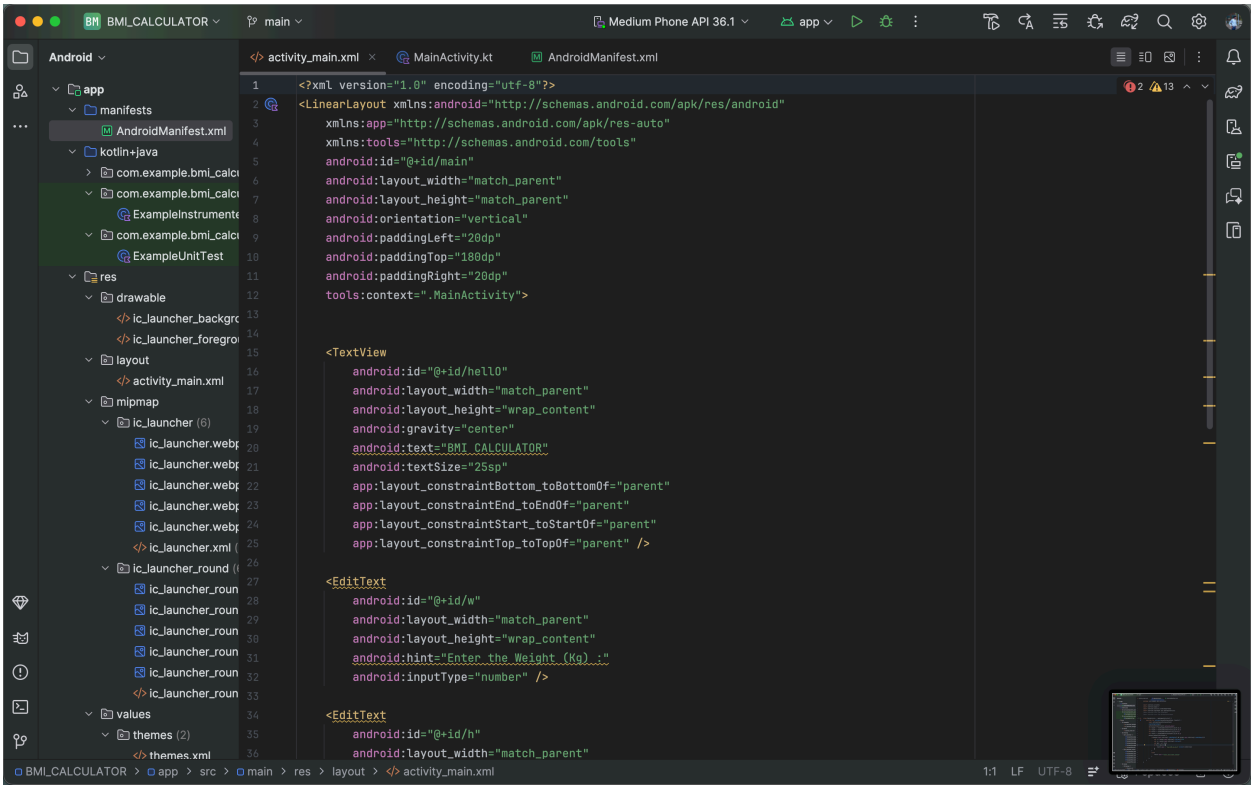
Procedure:

1. Create a new project in **Android Studio**.
2. Add **EditText** for height and weight input.
3. Add a **Button** to calculate BMI.
4. Read height and weight in `MainActivity`.
5. Apply the BMI formula in code.
6. Display the BMI value in **TextView**.
7. Run the app and check the result.

AndroidManifest.xml



Activity_main.xml

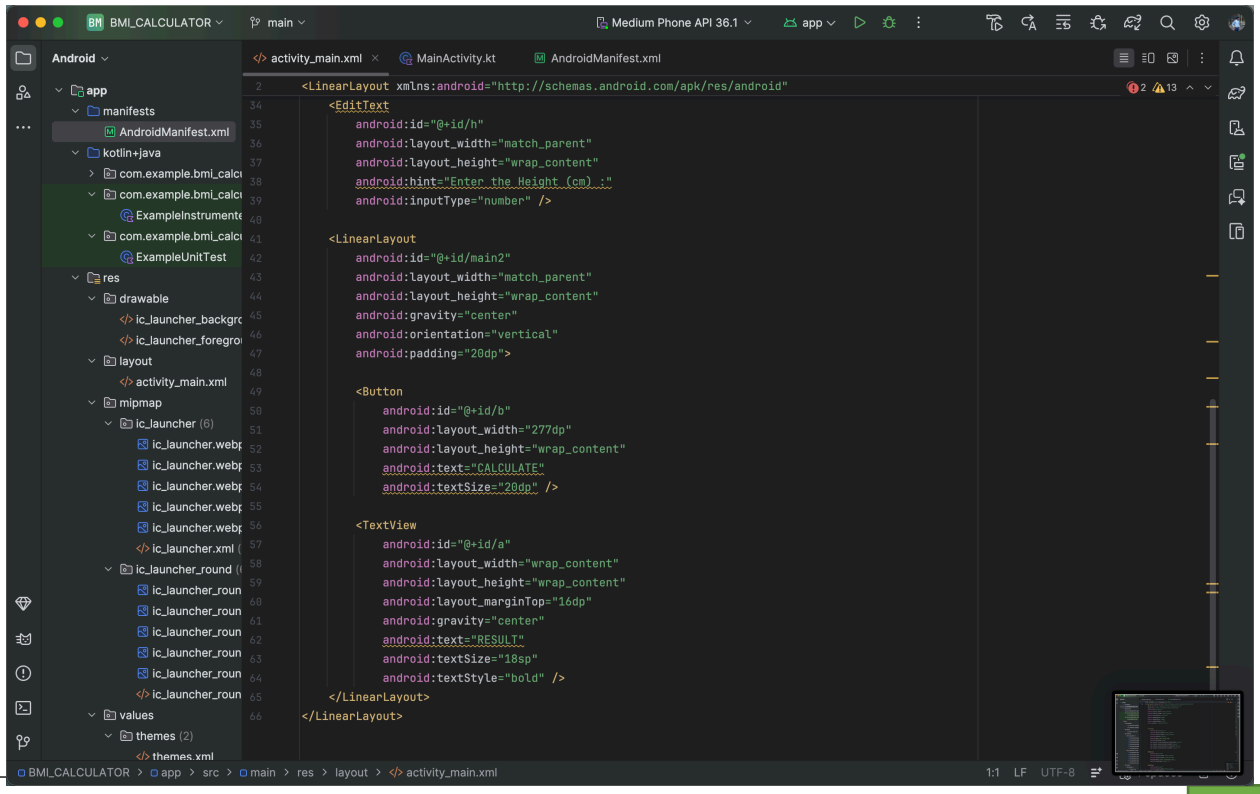


```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:paddingLeft="20dp"
    android:paddingTop="180dp"
    android:paddingRight="20dp"
    tools:context=".MainActivity">


    <TextView
        android:id="@+id/hellO"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="BMI CALCULATOR"
        android:textSize="25sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/w"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter the Weight (Kg) :"
        android:inputType="number" />

    <EditText
        android:id="@+id/h"
        android:layout_width="match_parent"
```



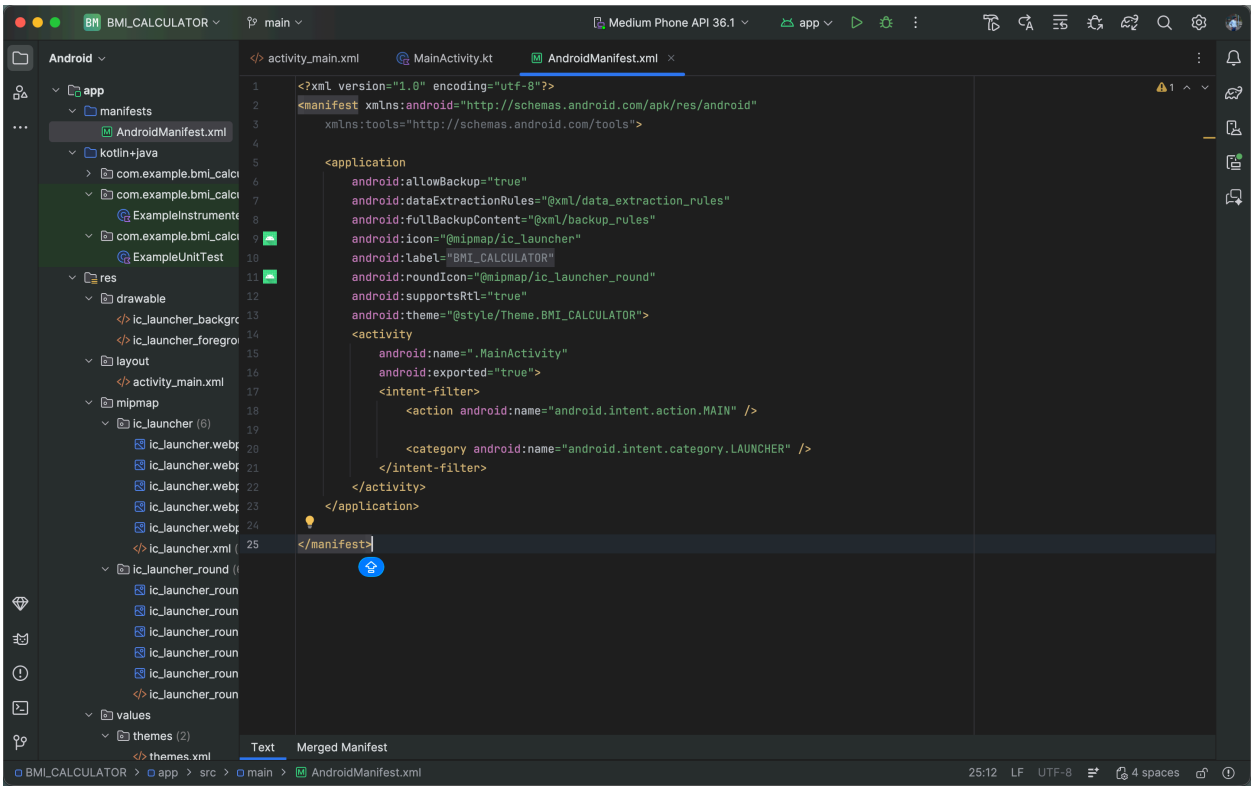
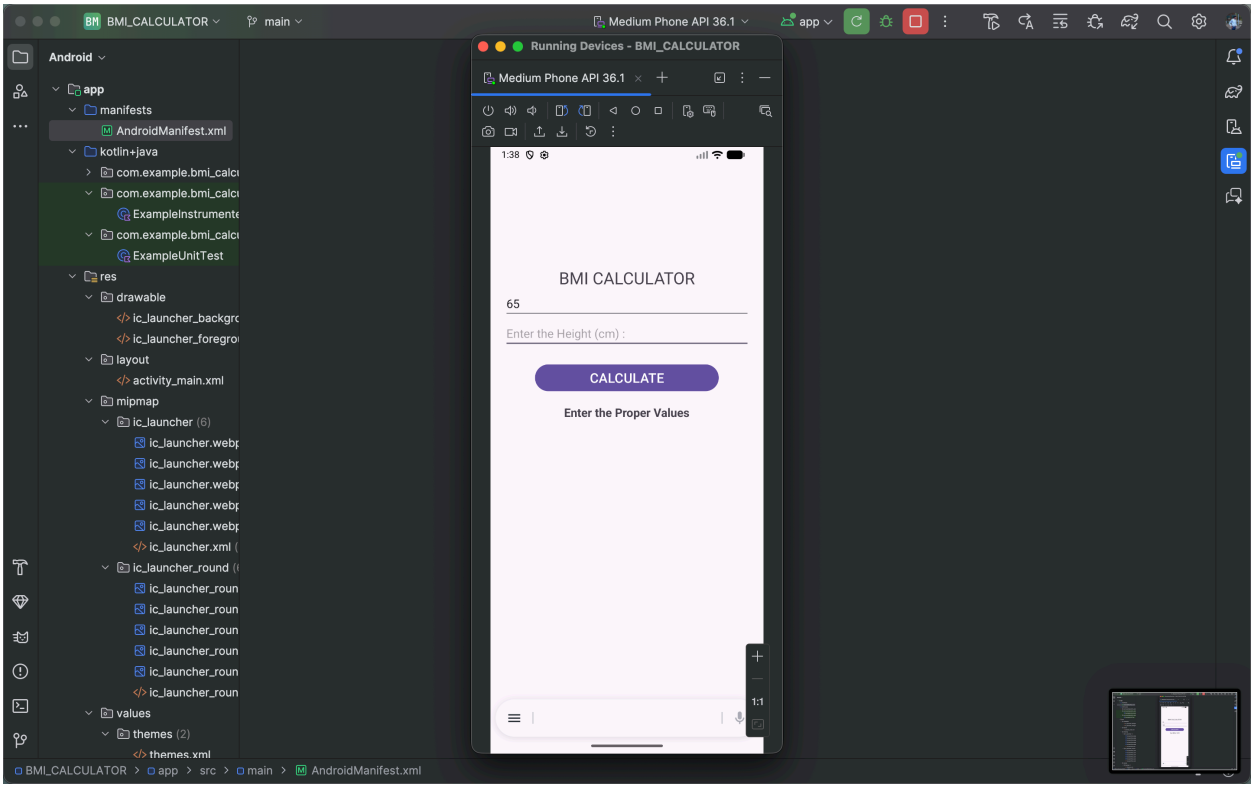
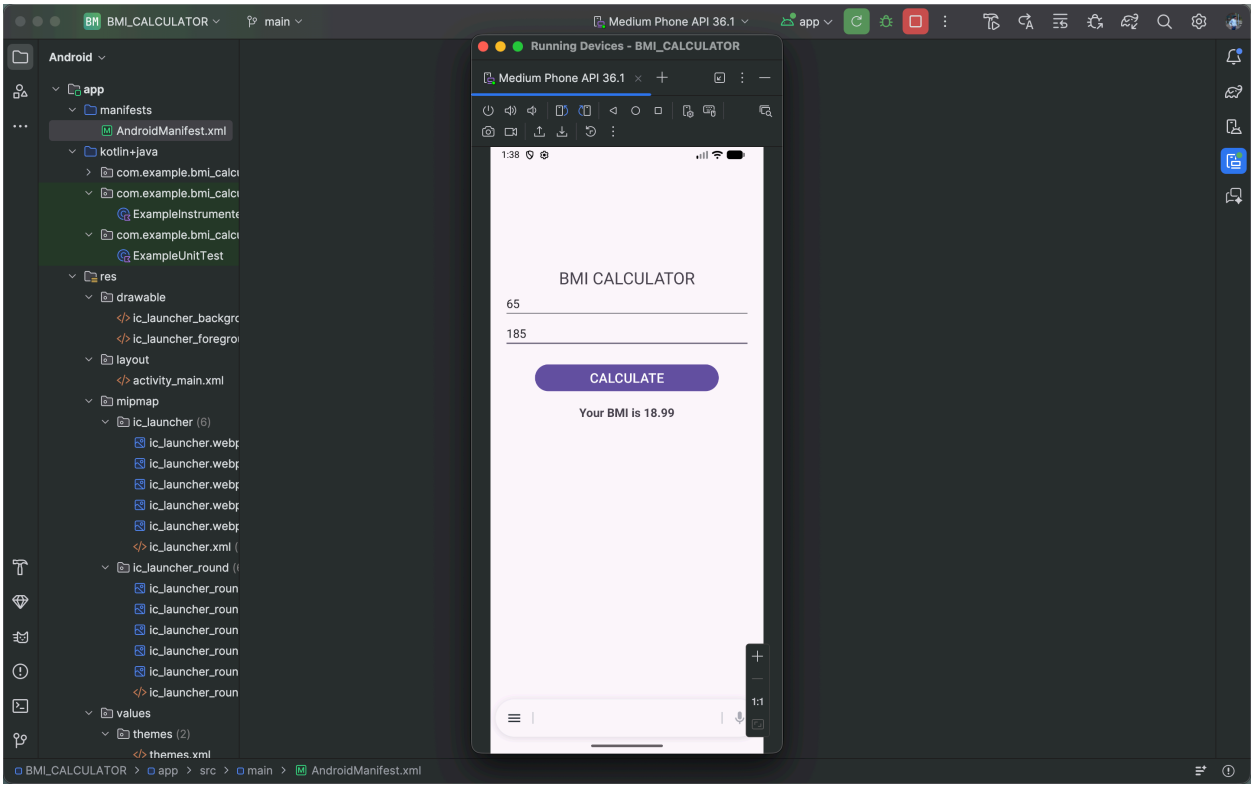
```
    <EditText
        android:id="@+id/h"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter the Height (cm) :"
        android:inputType="number" />

    <LinearLayout
        android:id="@+id/main2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:orientation="vertical"
        android:padding="20dp">

        <Button
            android:id="@+id/b"
            android:layout_width="277dp"
            android:layout_height="wrap_content"
            android:text="CALCULATE"
            android:textSize="20dp" />

        <TextView
            android:id="@+id/a"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="16dp"
            android:gravity="center"
            android:text="RESULT"
            android:textSize="18sp"
            android:textStyle="bold" />
    </LinearLayout>
</LinearLayout>
```

MainActivity.kt



Output : Result: Successfully Verified