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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:text="Weight"  
 android:textSize="30dp"  
 android:layout\_marginTop="80dp"/>  
 <EditText  
 android:id="@+id/weight"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:ems="6"  
 android:textAlignment="center"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:text="Height"  
 android:textSize="30dp"  
 android:layout\_marginTop="30dp"/>  
 <EditText  
 android:id="@+id/height"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:ems="6"  
 android:textAlignment="center"/>  
 <Button  
 android:id="@+id/calculate\_button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:text="Calculate BMI"  
 android:layout\_marginTop="30dp"  
 android:onClick="calculateBMI"/>  
 <TextView  
 android:id="@+id/result"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:text="Result"  
 android:textSize="30dp"  
 android:layout\_marginTop="20dp"/>

mainActivity.java

package com.example.bmi\_calculation;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
 EditText weight,height;  
 TextView resulttext;  
 String calculation,BMIresult;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 weight = findViewById(R.id.*weight*);  
 height = findViewById(R.id.*height*);  
 resulttext = findViewById(R.id.*result*);  
 }  
  
 public void calculateBMI(View view) {  
 String S1=weight.getText().toString();  
 String S2=height.getText().toString();  
 float weightValue = Float.*parseFloat*(S1);  
 float heightValue = Float.*parseFloat*(S2)/100;  
 float bmi = weightValue/(heightValue \* heightValue);  
 if(bmi<16){  
 BMIresult="Severely Under Weight";  
 }else if(bmi<18.5){  
 BMIresult="Under Weight";  
 }else if(bmi>=18.5&&bmi<=24.9){  
 BMIresult="Normal Weight";  
 }else if(bmi>=25&&bmi<=29.9){  
 BMIresult="OverWeight";  
 }else{  
 BMIresult="Obese";  
 }  
 calculation="Result:\n\n"+bmi+"\n"+BMIresult;  
 resulttext.setText(calculation);  
  
  
 }  
}