<?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">  
  
  
 <EditText  
 android:id="@+id/name"  
 android:layout\_width="322dp"  
 android:layout\_height="42dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:hint="Name"  
 app:layout\_constraintBottom\_toTopOf="@+id/weight"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.907"/>  
  
 <EditText  
 android:id="@+id/weight"  
 android:layout\_width="322dp"  
 android:layout\_height="42dp"  
 android:layout\_marginBottom="10dp"  
 android:ems="10"  
 android:hint="Weight(kilograms)"  
 app:layout\_constraintBottom\_toTopOf="@+id/height"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"/>  
  
 <EditText  
 android:id="@+id/height"  
 android:layout\_width="322dp"  
 android:layout\_height="42dp"  
 android:layout\_marginBottom="18dp"  
 android:ems="10"  
 android:hint="Height(meters)"  
 app:layout\_constraintBottom\_toTopOf="@+id/btn"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"/>  
  
 <Button  
 android:id="@+id/btn"  
 android:layout\_width="148dp"  
 android:layout\_height="38dp"  
 android:layout\_marginBottom="37dp"  
 android:text="GO"  
 app:layout\_constraintBottom\_toTopOf="@+id/view1"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"/>  
  
 <TextView  
 android:id="@+id/view1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="20dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/view2"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"/>  
  
 <TextView  
 android:id="@+id/view2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="300dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"/>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

MainActivity.java

package com.example.midtermactivity1;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
  
 EditText name, weight, height;  
 Button go;  
 TextView display1, display2;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 name=findViewById(R.id.*name*);  
 weight=findViewById(R.id.*weight*);  
 height=findViewById(R.id.*height*);  
 go=findViewById(R.id.*btn*);  
 display1=findViewById(R.id.*view1*);  
 display2=findViewById(R.id.*view2*);  
  
 go.setOnClickListener(new View.OnClickListener(){  
  
 @Override  
 public void onClick(View v) {  
  
 String displayName;  
  
 displayName=name.getText().toString();  
 display1.setText("Name= "+ displayName);  
 calculate();  
 }  
 });  
 }  
 public void calculate(){  
 Double product1 = Double.*parseDouble*(weight.getText().toString());  
 Double product2 = Double.*parseDouble*(height.getText().toString());  
  
 Double calculatedValue = product1/(product2\*product2);  
 display2.setText("BMI= "+calculatedValue.toString());  
 }  
}