

BMI CALCULATOR

ACTIVITY_MAIN:

```
<?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/Text1"
        android:layout_width="270dp"
        android:layout_height="60dp"
        android:layout_marginEnd="68dp"
        android:layout_marginBottom="596dp"
        android:background="#7B89DA"
        android:text="@string/bmi_calculator"
        android:textAlignment="center"
        android:textSize="30sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
    />

    <EditText
        android:id="@+id/editText1"
        android:layout_width="229dp"
        android:layout_height="69dp"
        android:layout_marginEnd="81dp"
        android:layout_marginBottom="460dp"
        android:hint="@string/weight_in_kg"
        android:inputType="numberDecimal"
        android:textColor="#101010"
        android:textSize="30sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
    />

    <EditText
        android:id="@+id/editText2"
        android:layout_width="229dp"
        android:layout_height="69dp"
        android:layout_marginEnd="80dp"
        android:layout_marginBottom="328dp"
        android:hint="@string/height_in_cm"
        android:inputType="numberDecimal"
        android:textSize="30sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
    />
```

```

<Button
    android:id="@+id/Btn"
    android:layout_width="277dp"
    android:layout_height="101dp"
    android:layout_marginEnd="68dp"
    android:layout_marginBottom="140dp"
    android:importantForAutofill="no"
    android:onClick="CalculateBMI"
    android:text="@string/calculate_bmi"
    android:textAlignment="center"
    android:textSize="30sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
/>
</androidx.constraintlayout.widget.ConstraintLayout>

```

MAIN_ACTIVITY:

```

package com.example.bmicalculator;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    EditText EditText1, EditText2;
    Button Btn;
    double a, b, r;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    public void CalculateBMI(View view){
        EditText1 = findViewById(R.id.editText1);
        EditText2 = findViewById(R.id.editText2);
        Btn = findViewById(R.id.Btn);
        a = Double.parseDouble(EditText1.getText().toString());
        b = Double.parseDouble(EditText2.getText().toString());
        b = b*0.01; r = a/(b*b);
        String bmi = String.format("%.2f", r);
        if(r < 18.5){
            Toast.makeText(this, "BMI: "+ bmi +" is Under Weight",
                Toast.LENGTH_SHORT).show();
        }
        else if(r >= 18.5 && r <= 24.9){
            Toast.makeText(this, "BMI: "+ bmi +" is Healthy",
                Toast.LENGTH_SHORT).show();
        }
    }
}

```

```
    }  
    else if(r >=25 && r <= 29.9){  
        Toast.makeText(this, "BMI: "+ bmi +" is Over Weight",  
            Toast.LENGTH_SHORT).show();  
    }  
    else{  
        Toast.makeText(this, "BMI: "+ bmi +" is Obesity",  
            Toast.LENGTH_SHORT).show();  
    }  
}  
}
```



