

BMI Calculator (Body Mass Index)

Input :-

```
height = float(input("Enter your height in cm: "))
```

```
weight = float(input("Enter your weight in kg: "))
```

```
BMI = weight / (height/100)**2
```

```
print("Your BMI is ",BMI)
```

```
if BMI <= 18.4:
```

```
    print("You are underweight.")
```

```
elif BMI <= 24.9:
```

```
    print("You are healthy.")
```

```
elif BMI <= 29.9:
```

```
    print("You are over weight.")
```

```
elif BMI <= 34.9:
```

```
    print("You are severely over weight.")
```

```
elif BMI <= 39.9:
```

```
    print("You are obese.")
```

```
else:
```

```
    print("You are severely obese.")
```

Output:-

Enter your height in cm: 162

Enter your weight in kg: 56

Your BMI is

21.338210638622158

You are healthy.

A BMI Calculator will take in the height and weight of the individual and will calculate the BMI of the person.

Body mass index (BMI) is a measure of body fat based on height and weight.

Based on the BMI of the individual, it will print a statement stating the overall health of the person.

The formula to calculate BMI is $\text{BMI} = \text{weight} / (\text{height}/100)**2$

Here dividing the **height** by 100 to convert the **centimetres** into **meters**.

BMI CLASSIFICATION

18.4 OR LESS	-----	UNDER WEIGHT
18.5 TO 24.9	-----	NORMAL WEIGHT
25 TO 29.9	-----	OVER WEIGHT
30 TO 34.9	-----	OBESITY (CLASS 1)
35 TO 39.9	-----	OBESITY (CLASS 2)
40 OR ABOVE	-----	OBESITY (CLASS 3)

Then use **if** conditionals for classification.

