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(f"You 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

You 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 BMI = weight / (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.