STUDENT REPORT

DETAILS

Name

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Roll Number

3BR21EC109

EXPERIMENT

Title

BODY MASS INDEX

Description

A person's body mass index is a simple calculation based on height and weight that classifies the person as underweight, overweight, or normal.

The formula for the metric unit is, BMI = weight in kilograms / (height in meters)2

You are given an integer weight and a floating-point number height of a person as input. Calculate the BMI of the person and print the person's BMI category as per the given rules:

1. IF BMI < 18, print 0.

2. If 18 <= BMI < 25, print 1.

3. IF 25<=BMI < 30, print 2.

4. If 30 <= BMI < 40, print 3.

5. If BMI>= 40, print 4.

Note:

The unit of weight is Kilogram.

The unit of height is meter.

Compute BMI as a floating-point.

Input Format:

Each test case consists of two lines of input

The first line of input contains an integer. i.e. weight in kilograms.

the second line contains a float number , i.e, height in meters.

Input will be read from the STDIN by the candidate

Sample Input:

60

1.75

Sample Output:

1

Source Code:

```
w=int(input())
h=float(input())
BMI=w/(h*h)
if BMI<18:
    print(0)
elif BMI>=18 and BMI<25:
    print(1)
elif BMI>=25 and BMI<30:
    print(2)
elif BMI>=30 and BMI<40:
    print(3)
elif BMI>=40:
    print(4)
```

RESULT

5 / 5 Test Cases Passed | 100 %