CONDITIONAL STATEMENTS IN PYTHON

INSTRUCTIONS FOR TASKS

PROBLEM 1: SIMPLE CALCULATOR FOR ALF

- Instruction: Develop a user-input program using the provided code template for a "Simple Calculator for Alf". The program should interactively request the user to input two operands and select an operation. Ensure that both operands are read as floats. Upon receiving the user's input, proceed to perform the calculations based on the chosen operation. Supported operations include:
    - Addition (+)
    - Subtraction (-)
    - Multiplication (x)
    - Division (/)

  For Displaying the result, employ and appropriate string concatenation method, showcasing your personal preference.
- Note: The two operands must be read as floats. Ensure that the presented result is accurate and maintains a clear and readable format.
- Example Output:

```
SIMPLE CALCULATOR FOR ALF

Enter the first number: 50
Enter the second number: 6
Enter the operator (+, -, x, /): x

The result of 50.0 x 6.0 is 300.0
```

PROBLEM 2: BMI CALCULATOR FOR ALF

- Instruction: Develop a user-input program using the provided code template for a "BMI Calculator for Alf". The program should interactively request the user to input their weight (in kilograms) and height (int meters). Exercise caution when reading input of various data types. Upon obtaining the user's input, proceed to calculate the BMI (Body Mass Index) using the formula "BMI = weight / (height ** 2)". Categorize the BMI based on the provided guide into one of the nutritional status categories:

BMI	NUTRITIONAL STATUS
BELOW 18.5	UNDERWEIGHT
18.5 – 24.9	NORMAL WEIGHT
25.0 – 29.9	OVERWEIGHT
ABOVE 30.0	OBESITY

CONDITIONAL STATEMENTS IN PYTHON

For displaying the user's BMI and its classification, utilize an appropriate string concatenation method, showcasing your personal preference.

- Note: The weight and height must be read as floats. Ensure that the presented result is accurate and maintains a clear and readable format.
- Tip: To display the BMI with only two decimal places in Python, you can use the ' :.2f ' format specifier when printing the BMI value. This specifiers tells Python to format the floating-point number with two decimal places.
- Example Output:

```
BMI CALCULATOR FOR ALF

Enter your weight in kilograms: 70
Enter your height in meters: 1.54

HEIGHT: 1.54 - WEIGHT: 70.0
BMI: 29.52 - NUTRITIONAL STATUS: overweight
```