Introduction to Python I (Exercises 01) Conditions

1) Write a program that prompts the user for two numbers. The program then prints the SUM of the numbers and the PRODUCT of the two number (multiplication). Print both results with a descriptive message. Assume the numbers are integers.

2) Write a program that prompts for a number. Depending on whether the number is even or odd, print a message stating the nature of the number. Hint: how does an even / odd number reacts when divided by 2?

3) Write a program that prompts for a string (enter a string with at least 6 characters, no validation). Print characters 3 to 5 inclusive. (The third to the fifth character of the string)

   (i.e. 'Canada' -> 'nad')

4) Write a program that prompts the user for a string. Then check the first and last characters of the string. If both characters are equal, then print the string, otherwise print the message "**First and last character do not match**".

5) Write a program that prompts the user to enter a temperature in degrees Fahrenheit (i.e. 75, 78.3, -10.5, etc.). Then convert the temperature to degrees Celsius according to the formula:

   °C = (°F - 32) x 5/9

   Then print a message according to the following logic:

   If the temperature (Celsius) is less than or equal to **-15.0** print:
   "It's *(temp)* degrees Celsius, Let's get out of here!"

   If the temperature is higher than **-15.0** but less than or equal to **0.0** then print:
   "It's *(temp)* degrees Celsius, Get your boots and gloves!"

   If the temperature is higher than **0.0** but less than or equal to **15.0** then print:
   "It's *(temp)* degrees Celsius, I have my sweater!"

   If the temperature is higher than 15.0 then print:
   "It's *(temp)* degrees Celsius, It is BBQ time!!"

   Replace ***(temp)*** by the actual temperature in degrees Celsius. Do not worry about the look of the temperature result (i.e. 24.530000). For this question practice the use of **elif** statement. You can round the result if you want, by using -> round(your_number,2)

6) Write a programs that prompts for an amount in dollars (let's say 23, no fractions) and breaks it down into 5$ bills, $2 coins and $1 coins. (Do not worry about decimal values in this exercise). If there are no 5$, 2$ coins or 1$ coins, do not print a cero, just do not print the monetary denomination.