



NEW YORK UNIVERSITY

CSC-101 INTRO TO COMPUTER PROGRAMMING

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Quiz 1

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Questions

You have 30 minutes to solve all the problems below. This is a **closed book** quiz. You are not allowed to use a computer or any electronic device. All the programs you write must be in Python. Partial credits will be awarded if you write pseudo-code instead of Python codes in case you have forgotten the necessary syntax.

1. Write a program that asks the user to state their first name and last name with the following prompts: "First Name: " and "Last Name: ". Then it should display the text: "Welcome *First Name Last Name* !"
2. Write a program that asks the user to enter the year they were born with the following prompt: "Please enter the year you were born in: ". Then program should return to the user their current age in the following format: "You are now *user's age* old."
3. Write a program that asks the user to enter a positive integer with the following prompt: "Please enter a positive integer: ". Then display the series: $1, 2, \dots, N - 1, N$. Each number in the series should be printed on a separate line. For example if N is 5 then the following output will be displayed:
"The numbers 1 to 5 are:
1
2
3
4
5"
4. Write a program that asks the user to enter a positive integer with the following prompt: "Please enter a positive integer: ". Then return to the user the sum: $1 + 2 + \dots + N$. You should use a for loop structure here.
5. Redo question five but this time use a while loop.

BONUS

Redo question 4. But this time, display the numbers in reverse. For example, if N is 5 then your output has to be:

"The numbers 5 to 1 are:

5
4
3
2
1"