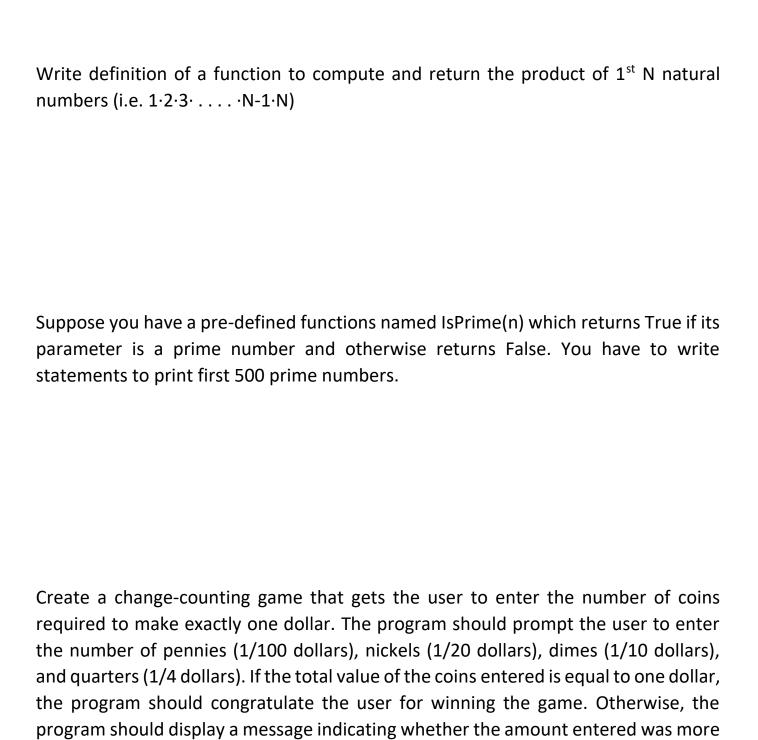# QUIZ 01 PF **(BSDSF23)** 10-10-2023

Roll No: Name:

Hoping you are comfortable with output, input and assignment like instructions. Answer the following independent questions, in the context of above line about: **the correctness of following lines, if yes mentioned its nature otherwise reason.**

Statements	Correct?	*Nature*	Reason
print(600 900)	No	*Output like*	600 900 is not an expr
420 = input()			
o = input()			
D = 420			
f = 2/6			
g = float(101)			
y – 34 = p			
A = A			
While x >= 0:			
if a == b			
Avrg = a + b / 2			

Write only one statement to display (output) the values of variable a, b, and expression a+b

Write fewer statements to print one integer per line from -10000 to 10000.

Write definition of a function to compute and return the product of 1st N natural numbers (i.e. 1·2·3· . . . . ·N-1·N)

Suppose you have a pre-defined functions named IsPrime(n) which returns True if its parameter is a prime number and otherwise returns False. You have to write statements to print first 500 prime numbers.

Create a change-counting game that gets the user to enter the number of coins required to make exactly one dollar. The program should prompt the user to enter the number of pennies (1/100 dollars), nickels (1/20 dollars), dimes (1/10 dollars), and quarters (1/4 dollars). If the total value of the coins entered is equal to one dollar, the program should congratulate the user for winning the game. Otherwise, the program should display a message indicating whether the amount entered was more than or less than one dollar.