Tuesday Sep 22, 2024

In-class Handout

COSC 101C Intro to Computing I

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Name:

Discuss and complete the following questions with the person nearest you. You **may** be asked to share your thoughts with the class.

1. Evaluate the following expressions.

Expression	Value
1 < 3 3+2 >= 5 4 == '4' 4%2 != 0 'cat' == 'cat' ==	040

Expression		Value
1 < 3 3+2 >= 5 4 == '4'		True True False
4%2 != 0	'cat.'	False True
'cat' ==	'cats'	False

2. Write a program that prints every other character from a string using an if statement. For example for the string "all-cats-are-good" your program must print

```
d
    1
    c
    t
    -
    r
    r
    o
    d

def evenChars(word: str) -> None:
    for i in range(0, len(word)):
        if i % 2 == 0:
            print(word[i])
evenChars('all-cats-are-good')
a
1
c
t
```

r o d

3. Write a function **factorial** that takes one argument: a positive integer. The function should print the factorial of the number. Recall, 5! = 5*4*3*2*1

```
def factorial(N: int) -> None:
    total = 1
    for i in range(N, 0, -1):
        total *= i
    print(f"{N}! is {total}")
```