CSC165 Data Structures, Fall 2024
Quiz 05

NAME: June 1, 2024

1) Trace the call of the `myfun()` function and write what will be printed. Be sure to accurately show linefeeds.

```
def myfun(c,n):
    print('--',end=' ')
    i = 0
    while i < n:
        print(f'c-c',end=' ')
        i = i + 1
    print('--')

myfun('X',4)
```

2) Define a function as described below. After defining the function, **call it with your choice of arguments. Make the call part of an assignment statement and print the assigned variable**.

Define a function called *add_all*. It has 3 parameters. In the function, add the values passed to the function and return the results.

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1) Trace the call of the `myfun()` function and write what will be printed. Be sure to accurately show linefeeds.

```
def myfun(a,n):
    i = 0
    while i < n:
        print(f'-a-',end=' ')
        i = i + 1
    print()

myfun('%',4)
```

2) Define a function as described below. After defining the function, **call it with your choice of arguments. Make the call part of an assignment statement and print the assigned variable**.

Define a function called *product*. It has 3 parameters. In the function, multiply the 3 passed values. Return the results.

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1) Trace the call of the `myfun()` function and write what will be printed. Be sure to accurately show linefeeds.

```
def myfun(c,n):
    i = 0
    while i < n:
        print(f'cc',end=' ')
        i = i + 1
    print()

myfun('A',4)
```

2) Define a function as described below. After defining the function, **call it with your choice of arguments. Make the call part of an assignment statement and print the assigned variable**.

Define a function called *square*. It has 1 parameter. In the function, square the passed value (i.e. multiply it by itself). Return the results.

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def myfun(c,n):
    print(f'cc',end=' ')
    i = 0
    while i < n:
        print(f'--',end=' ')
        i = i + 1
    print(f'cc')

myfun('#',4)
```

2) Define a function as described below. After defining the function, **call it with your choice of arguments. Make the call part of an assignment statement and print the assigned variable**.

Define a function called *remove_dec*. It has 1 parameter of type float. In the function, remove the decimal portion of the passed float by dividing it by 1 (e.g. //1). Return the results.

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2) Define a function as described below. After defining the function, **call it with your choice of arguments. Make the call part of an assignment statement and print the assigned variable**.

Define a function called *percent*. It has 1 parameter. In the function, multiply the passed value by 100. Return the results.

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```

2) Define a function as described below. After defining the function, **call it with your choice of arguments. Make the call part of an assignment statement and print the assigned variable**.

Define a function called *add10*. It has 1 parameter. In the function, add 10 to the passed value. Return the results.

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    print(f'cc')

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