STUDENT VERSION (TW-5)

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coffee Break
- ▶ Logical Reasoning Questions
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

Teamwork Schedule

Ice-breaking 10m

- Personal Questions (Stay at home & Corona, Study Environment, Kids etc.)
- Any challenges (Classes, Coding, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Ask Questions 15m

1. What is the term to describe this code in Python?

```
count, fruit, price = (2, 'apple', 3.5)
```

A. tuple assignment
B. tuple unpacking
C. tuple matching
D. tuple duplication

2. What built-in list method would you use to remove items from a list in Python?

A. ".delete()" method
B. pop(my_list)
C. del(my_list)
D. ".pop()" method

3. What buit-in Python data type is commonly used to represent a stack?

A. set
B. list
C. dictionary
D. None. You can only build a stack from scratch.

4. What would this expression return in Python?

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- Personal Questions (Stay at home & Corona, Study Environment, Kids etc.)
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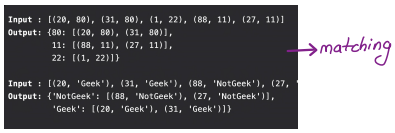

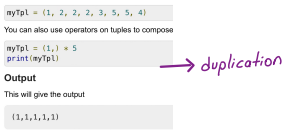

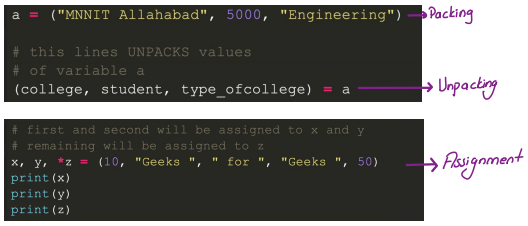

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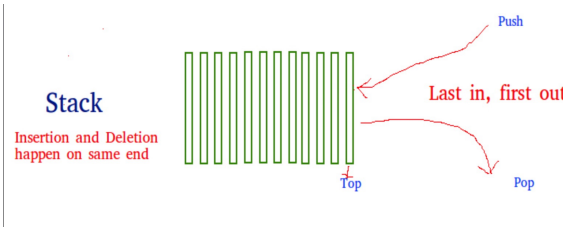


4. What would this expression return in Python?

```
college_years = ['Freshman', 'Sophomore', 'Junior', 'Senior']
print(list(enumerate(college_years, 2019)))
```

A. [('Freshman', 2019), ('Sophomore', 2020), ('Junior', 2021), ('Senior', 2022)]
B. [(2019, 2020, 2021, 2022), ('Freshman', 'Sophomore', 'Junior', 'Senior')]
C. [('Freshman', 'Sophomore', 'Junior', 'Senior'), (2019, 2020, 2021, 2022)]
D. [(2019, 'Freshman'), (2020, 'Sophomore'), (2021, 'Junior'), (2022, 'Senior')]

5. Given the following three list, how would you create a new list that matches the desired output printed below in Python?

```
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
# Desired output
[('Apples', 5, 1.50),
('Oranges', 3, 2.25),
('Bananas', 4, 0.89)]
```

A.

```
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
output=[]

fruit_tuple_0 = (fruits[0], quantities[0], prices[0])
output.append(output)
fruit_tuple_1 = (fruits[1], quantities[1], prices[1])
output.append(output)
fruit_tuple_2 = (fruits[2], quantities[2], prices[2])
output.append(output)
print(fruit_tuple_0, fruit_tuple_1, fruit_tuple_2)
```

B.

```
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
i = 0
output = []
for fruit in fruits:
    temp_qty = quantities[i]
    temp_price = prices[i]
    output.append((fruit, temp_qty, temp_price))
```

```
college_years = ['Freshman', 'Sophomore', 'Junior', 'Senior']
print(list(enumerate(college_years, 2019)))
```

A. [('Freshman', 2019), ('Sophomore', 2020), ('Junior', 2021), ('Senior', 2022)]
B. [(2019, 2020, 2021, 2022), ('Freshman', 'Sophomore', 'Junior', 'Senior')]
C. [('Freshman', 'Sophomore', 'Junior', 'Senior'), (2019, 2020, 2021, 2022)]
D. [(2019, 'Freshman'), (2020, 'Sophomore'), (2021, 'Junior'), (2022, 'Senior')]

```
my_list = ['apple', 'banana', 'grapes', 'pear']
counter_list = list(enumerate(my_list, 1))
print(counter_list)
# Output: [(1, 'apple'), (2, 'banana'), (3, 'grapes'), (4, 'pear')]
```

5. Given the following three list, how would you create a new list that matches the desired output printed below in Python?

```
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
# Desired output
[('Apples', 5, 1.50),
('Oranges', 3, 2.25),
('Bananas', 4, 0.89)]
```

```
fruits = ["Apples", "Oranges", "Bananas"]
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]

new_list = list(zip(fruits, quantities, prices))
print(*new_list, sep= '\n')
```

```
('Apples', 5, 1.5)
('Oranges', 3, 2.25)
('Bananas', 4, 0.89)
```

A.

```
('Apples', 5, 1.5) ('Oranges', 3, 2.25) ('Bananas', 4, 0.89)
```

```
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
output=[]

fruit_tuple_0 = (fruits[0], quantities[0], prices[0])
output.append(output)
fruit_tuple_1 = (fruits[1], quantities[1], prices[1])
output.append(output)
fruit_tuple_2 = (fruits[2], quantities[2], prices[2])
output.append(output)
print(fruit_tuple_0, fruit_tuple_1, fruit_tuple_2)
```

B.

```
[('Apples', 5, 1.5), ('Oranges', 3, 2.25), ('Bananas', 4, 0.89)]
```

```
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
i = 0
output = []
for fruit in fruits:
    temp_qty = quantities[i]
    temp_price = prices[i]
    output.append((fruit, temp_qty, temp_price))
```

```
    i += 1
print(output)
```

C.

```
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]

groceries = zip(fruits, quantities, prices)
print(list(groceries))
```

D.

```
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
i = 0
output = []
for fruit in fruits:
  for qty in quantities:
    for price in prices:
        output.append((fruit, qty, price))
  i += 1
print(output)
```

6. Which directory contain device special files?

A. /etc
B. /etc/dev
C. /root/bin
D. /dev

7. In Linux, The file permission 764 means:?

A. Every one can read, group can execute only and the owner can read and write
B. Every one can read and write, but owner alone can execute
C. Every one can read, group including owner can write, owner alone can execute
D. Every one can read and write and execute

8. The permission -rwxr–r– represented in octal expression will be?

```
    i += 1
print(output)
```

C. `[('Apples', 5, 1.5), ('Oranges', 3, 2.25), ('Bananas', 4, 0.89)]`

```
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]

groceries = zip(fruits, quantities, prices)
print(list(groceries))
```

D. `[('Apples', 5, 1.5), ('Apples', 5, 2.25), ('Apples', 5, 0.89), ('Apples', 3, 1.5), ('Apples', 3, 2.25), ('Apples', 3, 0.8`

```
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
i = 0
output = []
for fruit in fruits:
  for qty in quantities:
    for price in prices:
        output.append((fruit, qty, price))
  i += 1
print(output)
```

6. Which directory contain device special files?

A. /etc *etc - see → where a Linux system's configuration files live*

B. /etc/dev

C. /root/bin *programs that are essential for the system to boot and run (destroyed → system won't boot and run)*

D. /dev *the location of special or device files*

7. In Linux, The file permission 764 means:?

A. Every one can read, group can execute only and the owner can read and write

B. Every one can read and write, but owner alone can execute

C. Every one can read, group including owner can write, owner alone can execute rwx, rw, r

D. Every one can read and write and execute

8. The permission -rwxr--r-- represented in octal expression will be?

A. 777
B. 666
C. 744
D. 711

9. Command used to count number of character in a file is

A. grep
B. wc
C. count
D. cat

10. The complete path name of a file or directory is

A. Root name
B. Tree name
C. Relative path name
D. Absolute path name

11. In Linux, if all the members of the group share their files, they are called as?

A. File owner
B. Other users
C. File users
D. Group users

12. When you are in the command mode in Vim editor, what takes you to the line editing mode?

A. Cursor
B. : colon
C. Esc
D. Enter

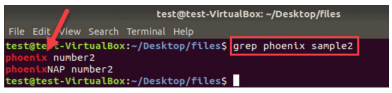
13. What kind of list will < ol > tags create?

A. Numbered list
B. Bulleted list
C. Unordered list
D. None of the above

x → 1
w → 2
r → 4

A. 777
B. 666
C. 744
D. 711

```
grep phoenix sample2
```



9. Command used to count number of character in a file is

A. grep Global Regular Expression Print → search for a string in a specified file
B. wc word count
C. count
D. cat

wc -l your TextFile → total num of lines
wc -w your TextFile → total num of words
wc -m your TextFile → total num of characters

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14. Select the appropriate HTML tag used for the largest heading?

C.H6
D.Heading

Interview Questions 15m

1. What is the major difference between tuples and lists in Python?

Coffee Break 10m

Logical Reasoning Questions 15m

1. A man is facing west. He turns 45 degrees in the clockwise direction and then another 180 degrees in the same direction and then 270 degrees in the anticlockwise direction. Find which direction he is facing now?

A. A. South-West
B. West
C. South
D. East-South

2. In this question, five words have been given, out of which fourArrange the words given below in a meaningful sequence?

1.Elephant 2.Cat 3.Mosquito 4.Tiger 5. Whale

A. 5, 3, 1, 2, 4
B. 3, 2, 4, 1, 5
C. 1, 3, 5, 4, 2
D. 2, 5, 1, 4, 3

A. Head
B. H1
C. H6
D. Heading

Interview Questions 15m

1. What is the major difference between tuples and lists in Python?

lists mutable, [], slower, many built-in methods, consume more memory, errors more likely to occur
tuples immutable, (), faster, less built-in methods, consume less memory

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☕

Coffee Break 10m

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Logical Reasoning Questions 15m

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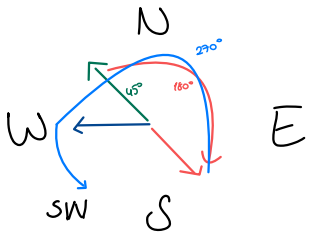

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A. 5, 3, 1, 2, 4
B. 3, 2, 4, 1, 5 küçükten büyüge
C. 1, 3, 5, 4, 2
D. 2, 5, 1, 4, 3

Video of the Week 10m

- How to Prepare for a Virtual Interview

Retro Meeting on a personal and team level 10m

Ask the questions below:

- What went well?
- What could be improved?
- What will we commit to do better in the next week?

Closing 5m

- Next week's plan
- QA Session