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?

```
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))
```

```
    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. Command to download all the objects and references from a specified repository?

A. git config --list
B. git help
C. git fetch
D. git log -n

7. Which of the following command line environment is used for interacting with Git?

A. Git Bash
B. Git Hub
C. Git Boot
D. Git Lab

8. The main objectives of Git are?

A. speed
B. data integrity
C. support for distributed non-linear workflows
D. All of the above

9. What comes first, staging with git add. or committing with git commit?

A. Committing with git commit
B. Staging your commit with git status
C. Staging your commits with git add
D. None of these

10. Which of the following file you can configure to ensure that certain file types are never committed to the local Git repository?

A. .gitignore
B. gitignore.txt
C. git.ignore
D. ignore.git

11. The prompt of the root user is?

A. @
B. #
C. %
D. $

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

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

13. 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

14. When you are in the command mode in Vim editor, what takes you to the line editing (insert) mode?

A. Cursor
B. i
C. Esc
D. Enter

15. The location where the user enter user name is called as?

A. Login location
B. Login user
C. Login prompt
D. Login name

Interview Questions 15m

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

2. What is a commit message, and how is the commit command executed?

3. What is Mutable and Immutable 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 four are alike in some manner and the fifth one is different. Choose out the odd one?

A. Potassium
B. Silicon
C. Zirconium
D. Gallium

3. 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

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
