

STUDENT VERSION (TW-1)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coffee Break
- ▶ Video of the week
- ▶ Retro meeting

Teamwork Schedule

Ice-breaking

10m

- Introduction.
- Personal Questions (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. Python was created by?

- A. Steve Jobs
- B. Gecko
- C. Guido van Rossum
- D. James Gosling

2. According to the PEP 8 coding style guidelines, how should constant values be named in Python?

- A. in camel case without using underscores to separate words -- e.g. max_value = 255
- B. in lowercase with underscores to separate words -- e.g. max_value = 255
- C. in all caps with underscores separating words -- e.g. MAX_VALUE = 255
- D. in mixed case without using underscores to separate words -- e.g. MaxValue = 255

3. Is Python case sensitive when dealing with variables?

- A. Yes
- B. Machine dependent
- C. No
- D. None of the mentioned

4. Which of the following is true for variable names in Python?

- A. All names must have leading and trailing underscores
- B. Unlimited length
- C. Underscore and ampersand are the only two special characters allowed
- D. None of the mentioned

5. Which of the following is an invalid statement?

- A. `abc = 1000000`
- B. `a b c = 1000 2000 3000`
- C. `a,b,c = 1000, 2000, 3000`
- D. `a_b_c = 1000000`

6. What is the linux mascot?

- A. Hat
- B. Gecko
- C. Elephant
- D. Penguin

7. What do we mean by Computational Thinking?

- A. Breaking a task into smaller tasks
- B. Understanding a complex problem and developing possible solutions
- C. Focusing on what is important, ignoring what is unnecessary
- D. Selecting a computer to use

8. Breaking a complex problem down into smaller problems and solving each one individually?

- A. Programming
- B. Decomposition
- C. Abstraction
- D. Algorithmic Thinking

9. Why do we need to think computationally?

- A. To help us to think like a computer
- B. To help us program
- C. To help us solve complex problems more easily
- D. None of these

10. What is the result of the following operation?

```
print(1 + 4*3)
```

- A. 15
- B. 13
- C. 12
- D. 10

11. Which python code gives the output "I love Python" ?

- A. input("I love Python")
- B. output("I love Python")
- C. read("I love Python")
- D. print("I love Python")

12. Guess the output of this code:

```
print( (3**2)//2 )
```

- A. 0
- B. 2
- C. 4
- D. 3

13. What symbol(s) do you use to assess equality between two elements?

- A. &&
- B. ==
- C. =
- D. ||

14. What value would be returned by this check for equality?

```
5!=6
```

- A. Yes
- B. False
- C. True
- D. None

15. Select all options that print?

```
hello-how-are-you
```

- A. `print('hello', '-how', 'are', '-you')`
- B. `print('hello', 'how', 'are-', 'you' + '-' * 4)`
- C. `print('hello-' + 'how-are-you')`
- D. `print('hello' + '-' + 'how' + '-' + 'are' + 'you')`

16. How do you insert COMMENTS in Python code?

- A. `#This is a comment`
- B. `//This is a comment`
- C. `/This is a comment/`
- D. `--This is a comment--`

17. The Linux Kernel was written by?

- A. Brian Kernighan
- B. Linus Torvalds
- C. Dennis Ritchie
- D. Richard Stallman

Interview Questions

15m

1. What does computational thinking stand for and why it is important?
2. What are the four stages of computational thinking?
3. What is Python?
4. What is PEP 8 and why is it important?
5. Is indentation required in python?

Video of the Week

10m

- [Coding is Not Difficult](#)

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
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