STUDENT VERSION (TW-2)

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 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

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

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

3. 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

4. What is an Algorithm?

A. Some instructions
B. Something a computer does to think

C. A series of steps and instructions with given outputs to produce an input
D. A series of steps and instructions with given inputs to produce an output

5. What is the result of the following operation?

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

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

6. 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")

7. Guess the output of this code:

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

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

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

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

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

```
5!=6
```

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

10. 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')

Interview Questions 15m

1. What does computational thinking stand for and why it is important?

2. What are the key features of Python?

Easy to lear and use,,Interpreted Language, Free and Open Source
Interpreted Language , Object-Oriented Language, Extensible.

3. How memory is managed in Python?

Python'un bellek yönetiminin çoğu Python Bellek Yöneticisi tarafından yapılır. Programa, çalışma zamanında bellek tahsis edilir. Python'un iyi yanı, Python'daki her şeyin bir nesne olmasıdır.Nesnelere artık ihtiyaç duyulmadığında, Python Bellek Yöneticisi onlardan otomatik olarak belleği geri alacaktır.

4. What are python modules and names some commonly used built-in modules in Python?

OS Module. Sys Module. Math Module. Statistics Module. Collections Module. Random Module.

5. What are the four stages of computational thinking?

decomposition, pattern recognition, abstraction, and algorithm design

6. Does Python have OOPs concepts?

YES PYTHON HAS OOPs (Nesne yönelimli programlama, özelliklerin ve davranışların ayrı nesnelerde bir araya getirilmesi için programları yapılandırmanın bir yolunu sağlayan bir programlama paradigmasıdır)

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Coffee Break 10m

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Logical Reasoning Questions 15m

1. Five children are sitting in a row. S is sitting next to P but not T. K is sitting next to R who is sitting on the extreme left and T is not sitting next to K. Who are sitting adjacent to S?

A. K & P
B. R & P
C. Only P
D. P and T

2. In a family, there are husband-wife, two sons and two daughters. All the ladies were invited to a dinner. Both sons went out to play. Husband did not return from office. Who was at home?

A. Only wife was at home
B. Nobody was at home
C. Only sons were at home
D. All ladies were at home

Video of the Week 10m

- Computational Thinking: What Is It? How Is It Used?

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