STUDENT VERSION (TW-8)

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

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

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 proper way to write a list comprehension that represents all the keys in this dictionary in Python?

```
fruits = {'Apples': 5, 'Oranges': 3, 'Bananas': 4}
```

A. fruit_names = [x in fruits.keys() for x]
B. fruit_names = for x in fruits.keys()
C. fruit_names = [x for x in fruits.keys()]
D. fruit_names = x for x in fruits.keys()

2. When would you use a for loop in Python?

A. Only in some situations, as loops are used ony for certaing type of programming.
B. When you need to check every element in an iterable of known length.
C. When you want to minimize the use of strings in your code.
D. When you want to run code in one file for a function in another file

3. What is the output of the following program?

```
i = 5
while True:
    if i%0xe == 0:
        break
    print(i)
    i += 1
```

A.

```
Error
```

B.

```
5
6
7
8
```

C.

```
5
6
```

D.

```
5
6
7
8
9
10
11
12
13
```

4. What will be the output of the following Python code snippet?

```
x = 'abcd'
for i in range(len(x)):
    i[x].upper()
print (x)
```

A. abcd
B. ABCD
C. error
D. aBcD

5. Suppose there is a list such that: k=[2,3,4]. If we want to print this list in reverse order, which of the following methods should be used?

A. reverse(k)
B. list(reverse[(k)])
C. reversed(k)
D. list(reversed(k))

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

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

7. If we want define style for an unique element, then which css selector will we use?

A. Id
B. class
C. text
D. name

8. Where do < header > and < footer > tags typically occur?

A. as children of < body >, < article >, < aside >, and < section > tags
B. as children of < body >, < article >, and < section > tags
C. as children of < body >, < article >, < aside >, < nav >, and < section > tags
D. as children of < body >, < article >, < table >, and < section > tags

9. The "value" attribute is associated with which set of tags?

A. < button >< input >< form >
B. < input >< label >< meter >
C. < input >< option >< textarea >
D. < li >< input >< option >

10. What is NOT a valid attribute for the < textarea > element?

A. readonly
B. max
C. form
D. spellcheck

11. When should you use < ol > and < ul > elements?

A. Use < ul > when you want a bulleted list and < ol > when you want a numbered list.
B. Use < ul > when you have a list of items in which the order of the items matters. Use < ol > when you have a list of items that could go in any order.
C. Use < ol > when you want a bulleted list and < ul > when you want a numbered list.
D. Use < ol > when you have a list of items in which the order of the items matters. Use < ul > when you have a list of items that could go in any order.

Interview Questions 15m

1. What is a lambda function in Python?

2. What is the difference between Git and Github?

3. Mention the various Git repository hosting functions?

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Coffee Break 10m

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Logical Reasoning Questions 15m

1. There are three houses. One is red, one is blue, and one is white. If the red house is to the left of the house in the middle, and the blue house is to the right of the house in the middle, where is the white house?

2. A boy and a doctor were fishing. The boy is the doctor's son, but the doctor isn't the boy's father. Who is the doctor?

3. Two world's famous prisoners 'Colditz' and 'Pascal' are locked in a cell. They plan to escape from the cell. They noticed there is an open window at 40 feet above the ground level.Both of them tried very hard but are never able to reach there. Then both of them decided to plan to escape by a tunnel and they start digging out. After digging for just 5 days, Colditz and Pascal comes out with the much more easier plan than tunneling and they escaped. what was the plan?

Video of the Week 10m

- **Day in the Life : Data Scientist**
- **Day in the Life : DevOps Engineer**

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**
