TEAM LEAD 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?

```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()

+*Answer: C*

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

+*Answer: B*

3. What is the output of the following program?

```python
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
```

+Answer: D

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

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

A. abcd

B. ABCD

C. error

D. aBcD

+Answer: C

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))

+Answer: D

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

A. Numbered list

B. Bulleted list

C. Unordered list

D. None of the above

Answer: A

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

Answer: A

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

Answer: B

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 >

Answer: D

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

A. readonly

B. max

C. form

D. spellcheck

Answer: B

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.

Answer: A

Interview Questions   15m

1. What is a lambda function in Python?

Answer: A lambda function is an anonymous function (a function that does not have a name) in Python. To define anonymous functions, we use the 'lambda' keyword instead of the 'def' keyword, hence the name 'lambda function'. Lambda functions can have any number of arguments but only one statement.

2. What is the difference between Git and Github?

Answer:

- **Git is a version control system of distributed nature that is used to track changes in source code during software development. It aids in coordinating work among programmers, but it can be used**

to track changes in any set of files. The main objectives of Git are speed, data integrity, and support for distributed, non-linear workflows.

- **GitHub is a Git repository hosting service, plus it adds many of its own features. GitHub provides a Webbased graphical interface. It also provides access control and several collaboration features, basic task management tools for every project.**

3. Mention the various Git repository hosting functions?

Answer:

- **Github**
- **Gitlab**
- **Bitbucket**
- **SourceForge**
- **GitEnterprise**

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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?

Answer: Washington DC

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?

Answer: Mother

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?

Answer: They use the bricks and dirt from the tunnel to stand on it.

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**