TEAM LEAD VERSION (TW-7)

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 will be the output of the following Python code?

```python
for x in set('pqr'):
    print(x*2)
```

A.

```
pqr
pqr
```

B.

```
qqpprr
```

C.

```
ppqqrr
```

D.

```
rr
qq
pp
```

+*Answer: D*

2. Which of the following statements create a dictionary?

A. d = {}
B. d = {"john":40, "peter":45}
C. d = {40:"john", 45:"peter"}
D. All of the mentioned

+*Answer: D*

3. What is the output of the following program?

```
d = {"john":40, "peter":45}
d["john"]
```

A. 40
B. 45
C. "john"
D. "peter"

+*Answer: A*

4. What would this expression return in Python?

```
d = {"john":40, "peter":45}
print(list(d.keys()))
```

A. ("john":40, "peter":45)
B. ("john", "peter")
C. ["john", "peter"]
D. ["john":40, "peter":45]

+*Answer: C*

5. What is the output of the code shown below?

```
a={}
a['a']=1
```

```
    a['b']=[2,3,4]
    print(a)
```

A. Exception is thrown
B. {'b': [2], 'a': 1}
C. {'b': [2, 3, 4], 'a': 1}
D. {'b': [2], 'a': [3]}

+*Answer: C*

6. What is the output of the code shown below?

```
z=set('abc')
z.add('san')
z.update(set(['p', 'q']))
print(z)
```

A. {'abc', 'p', 'q', 'san'}
B. {'a', 'b', 'c', 'p', 'q', 'san'}
C. {'a', 'b', 'c', ['p', 'q'], 'san}
D. {'a', 'c', 'c', 'p', 'q', 's', 'a', 'n'}

+*Answer: B*

7. What is the term to describe this code?

```
count, fruit, price = (2, 'apple', 3.5)
```

A. tuple assignment
B. tuple unpacking
C. tuple matching
D. tuple duplication

+*Answer: B*

8. What is the output of the code shown below??

```
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')]

+Answer: D

9. How can you check your current git version?

A. git --v
B. git --version
C. git --option
D. git --current

Answer: B

10. What command lets you create a connection between a local and remote repository?

A. git remote add new
B. git remote add origin
C. git remote new origin
D. git remote origin

Answer: B

11. Which of the following is true you when you use the following command?

```
git add -A
```

A. All new and updated files are staged
B. Files are staged in alphabetical order
C. All new files are staged
D. Only updated files are staged

Answer: A

12. What option can you use to apply git configurations across your entire git environment?

A. --all
B. --master
C. --global
D. --update

Answer: C

13. If you cloned an existing git repository, what would happen?

A. A new copy would overwrite the central repository
B. A copy of the repository would be created on your local machine
C. Nothing, cloning is not a supported git function
D. A copy of the repository would be created on the hosting platform

Answer: B

14. Which command creates an empty Git repository in the specified directory?

A. git reset
B. git log ..
C. git init
D. git init --bare

Answer: C

15. The main objectives of Git are?

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

Answer: D

16. 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

Answer: C

Interview Questions   15m

1. 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.

2. Mention the various remote Git repository hosting platforms?

Answer:

- Github
- Gitlab
- Bitbucket
- SourceForge
- GitEnterprise

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Coffee Break   10m

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Logical Reasoning Questions   15m

1. In this logic question, you are standing in a room with three light switches. The switches all correspond to three different light bulbs in an adjacent room that you cannot see into. With all the light switches starting in the off position, how can you find out which switch connects to which light bulb?

Answer: I would turn on the first switch and let it stay on for a few minutes. Then, I'd turn the first switch off and quickly turn on the second switch. Then, checking the room, I'd see the second bulb turned on and feel the other two bulbs to see which one is warmer. The warmer bulb is the one I just turned off, so that belongs to the first switch, while the bulb that's on belongs to the second switch. The third switch would belong to the bulb that is off and coolest to the touch.

2. Which number would replace the underline mark in the series 20, 40, 100, _, 820?

A. 240
B. 260
C. 280
D. 300

Answer: In this series, the difference between consecutive numbers is multiplied by 3; 20, 60, 180, 540.

Therefore, the missing number would be 100 + 180 = 280 (option C)

3. Kevin, Joseph, and Nicholas are 3 brothers. If the following statements are all true, which of them is the youngest?

```
✓ Kevin is the oldest.
✓ Nicholas is not the oldest.
✓ Joseph is not the youngest.
```

A. Joseph
B. Kevin
C. Nicholas
D. Both Joseph and Nicholas

Answer: Kevin, Joseph, and Nicholas are 3 brothers. To find the youngest of the three?

By hypothesis, Kevin is the oldest of the three. Therefore Kevin can't be the youngest. So Kevin is eliminated.

We are left with Joseph and Nicholas. Since Kevin is not the youngest, either Joseph or Nicholas is the youngest. But it is given in the question that Joseph is not the youngest.

Therefore Nicholas is the youngest.

Video of the Week   10m

- The Gitflow Workflow

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