

STUDENT VERSION (TW-7)



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?

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

A.

```
pqr  
pqr
```

B.

```
qqpprr
```

C.

```
ppqqrr
```

D.

```
rr  
qq  
pp
```

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**

3. What is the output of the following program?

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

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

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]

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]}

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'}

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

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')]**

9. How can you check your current git version?

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

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

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

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

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

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~~

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

15. The main objectives of Git are?

- A. speed
- B. data integrity

C. support for distributed non-linear workflows

D. All of the above

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

Interview Questions

15m

1. What is the difference between Git and Github?

Git is a version control system that lets you manage and keep track of your source code history. GitHub is a cloud-based hosting service that lets you manage Git repositories.

2. Mention the various remote Git repository hosting platforms?

GitLab, BitBucket, SourceForge, Launchpad, Google Cloud Source Repositories, AWS CodeCommit, Phabricator, Gogs,...



Coffee Break

10m



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?

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

A. 240

B. 260

C. 280

D. 300

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
-

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
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