



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coffee Break
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

Teamwork Schedule

Ice-breaking

10m

- Personal Questions (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

20m

1. What is the output of the following program?

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

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

2. 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]

3. 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]}

4. 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'}

5. 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

6. 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')]

7. 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()`

8. What is the output of the following program?

```
i = 5
while True:
    if i%0011 == 0:
        break
    print(i)
    i += 1
```

A.

```
5
6
7
8
9
10
```

B.

```
5
6
7
8
```

C.

```
5
6
```

D. Error

9. 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

10. 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))

11. Which choice is NOT a statement you would use to filter data in SQL?

- A. GROUP_BY
- B. WHERE
- C. LIMIT
- D. LIKE

12. In SELECT * FROM clients; what does clients represent in SQL?

- A. a SQL query
- B. a SQL statement
- C. a database
- D. a table

13. If you need to order a table of movies by name, which query will work in SQL?

- A. SELECT _ FROM movies GROUP BY name
- B. SELECT _ FROM movies ORDER BY name
- C. SELECT _ FROM movies ORDER TABLE by name
- D. SELECT _ FROM movies FILTER BY name

14. You are working with very large tables in your database. Which SQL clause do you use to prevent exceedingly large query results?

- A. UNIQUE
- B. LIMIT
- C. DISTINCT
- D. CONSTRAINT

Interview Questions

10m

1. What do you mean by a table and a field in SQL?

2. How does inheritance work in python? Explain it with an example?



Coffee Break

10m



Video of the Week

5m

- [Python in 100 Seconds](#)

Case study/Project

15m

- [First App - Welcome to BackEnd](#)

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
