

# TW-01 LEAD VERSION (Sprint-1 Week-2)

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CLARUSWAY  
WAY TO REINVENT YOURSELF

## Meeting Agenda

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- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Retro meeting

## Teamwork Schedule

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**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 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
```

*Answer: D***2. 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

### 3. What would this expression return in Python?

```
D = {1 : 1, 2 : '2', '1' : 1, '2' : 3}
D['1'] = 2
print(D[D[D[str(D[1])]]])
```

- A. KeyError
- B. '2'
- C. 3
- D. 2

Answer: C

### 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

Answer: C

### 5. What will be the output of the following Python code?

```
a=[1,2,3,4]
b=[sum(a[0:x+1]) for x in range(0,len(a))]
```

```
print(b)
```

- A. [1,3,5,7]
- B. [1,3,6,10]
- C. 10
- D. [1,3,5]

Answer: B

**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')]

Answer: D

**7. What will be the output of the following Python statement?**

```
example = "snow world"  
print("{}".format(example[4:7]))
```

- A. wo
- B. world
- C. sn
- D. rl

Answer: A

**8. What will be the output of the following Python code?**

```
print("xyyzxyzxy".endswith("xyy", 0, 2))
```

- A. 0
- B. 1

- C. True
- D. False

Answer: D

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

- A. GROUP\_BY
- B. WHERE
- C. LIMIT
- D. LIKE

Answer: A

**10. 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

Answer: B

**11. 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

Answer: B

## Interview Questions

20m

1. How memory is managed in Python?
2. What do you mean by a table and a field in SQL?
3. What is the difference between list and tuples in Python?

## Coding Challenge

10m

Students should work in small teams to complete the coding challenge at workshop activity(Saturday).

- [Python Loops and Iterations](#)
- 
- 



**Coffee Break**

**10m**



**Video of the Week**

**15m**

- [Loops and Iterations\(~11 min\)](#)

**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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