

# STUDENT VERSION (TW-7)

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WAY TO REINVENT YOURSELF

## Meeting Agenda

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

# Teamwork Schedule

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## 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.

```
pp  
qq  
rr
```

C.

```
ppqqrr
```

D.

```
qq  
rr
```

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. Which choice is the most syntactically correct example of the conditional branching?

A.

```
num_people = 5

if num_people > 10:
    print("There is a lot of people in the pool.")
elif num_people > 4:
    print("There are some people in the pool.")
elif num_people > 0:
    print("There are a few people in the pool.")
else:
    print("There is no one in the pool.")
```

B.

```
num_people = 5

if num_people > 10:
    print("There is a lot of people in the pool.")
if num_people > 4:
    print("There are some people in the pool.")
if num_people > 0:
    print("There are a few people in the pool.")
else:
    print("There is no one in the pool.")
```

C.

```
num_people = 5

if num_people > 10:
    print("There is a lot of people in the pool.")
elif num_people > 4:
    print("There are some people in the pool.")
elif num_people > 0:
    print("There are a few people in the pool.")
else:
    print("There is no one in the pool.")
```

D.

```
if num_people > 10;
    print("There is a lot of people in the pool.")
if num_people > 4:
    print("There are some people in the pool.")
if num_people > 0:
    print("There are a few people in the pool.")
else:
    print("There is no one in the pool.")
```

8. 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

9. What would this expression return?

```
college_years = ['Freshman', 'Sophomore', 'Junior', 'Senior']
return 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')]**

**10. If we want define style for an unique element, then which css selector will we use?**

- A. id**
- B. class
- C. text
- D. name

**11. 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

**12. 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 >**

**13. What is the correct commit syntax for all changes with a message?**

```
<address _____>
  <span itemprop="streetAddress">6410 Via Real</span><br />
  <span itemprop="addressLocality">Carpinteria</span>,
  <span itemprop="addressRegion">CA</span>
  <span itemprop="addressCode">93013</span>
</address>
```

- A. itemscope itemType="http://schema.org/PostalAddress"
- B. itemsref="http://schema.org/PostalAddress" itemid="address"
- C. itemscope itemref="http://schema.org/PostalAddress"
- D. itemid="address" itemType="http://schema.org/PostalAddress"

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

- A. readonly
- B. max
- C. form
- D. spellcheck

**15. 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.

**Interview Questions****15m**

- 1. What are some of the key new features in HTML5?**
- 2. Discuss the differences between an HTML specification and a browser's implementation thereof?**
- 3. Explain the difference between div and span?**

**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. Let's say you are traveling to Washington D.C. to visit some friends. You call three of your friends to see if it is raining in the city. What is the probability that it is actually raining in Washington D.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
- 

## Video of the Week

10m

- [The Gitflow Workflow](#)
  - [HTML, CSS, JavaScript](#)
  - [Python For Loops](#)
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## 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?
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## Closing

5m

- Next week's plan
  - QA Session
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