TEAM LEAD VERSION (TW-5)

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 is the term to describe this code in Python?

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

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

Answer: B

2. What built-in list method would you use to remove items from a list in Python?

A. ".delete()" method
B. pop(my_list)
C. del(my_list)
D. ".pop()" method

Answer: D

3. What buit-in Python data type is commonly used to represent a stack?

A. set
B. list
C. dictionary
D. None. You can only build a stack from scratch.

Answer: B

4. What would this expression return in Python?

```python
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

5. Given the following three list, how would you create a new list that matches the desired output printed below in Python?

```python
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
# Desired output
[('Apples', 5, 1.50),
('Oranges', 3, 2.25),
('Bananas', 4, 0.89)]
```

A.

```python
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
output=[]

fruit_tuple_0 = (fruits[0], quantities[0], prices[0])
output.append(output)
fruit_tuple_1 = (fruits[1], quantities[1], prices[1])
output.append(output)
fruit_tuple_2 = (fruits[2], quantities[2], prices[2])
output.append(output)
print(fruit_tuple_0, fruit_tuple_1, fruit_tuple_2)
```

B.

```python
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
i = 0
output = []
for fruit in fruits:
    temp_qty = quantities[i]
    temp_price = prices[i]
    output.append((fruit, temp_qty, temp_price))
    i += 1
print(output)
```

C.

```python
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]

groceries = zip(fruits, quantities, prices)
print(list(groceries))
```

D.

```python
fruits = ['Apples', 'Oranges', 'Bananas']
quantities = [5, 3, 4]
prices = [1.50, 2.25, 0.89]
i = 0
output = []
for fruit in fruits:
  for qty in quantities:
    for price in prices:
        output.append((fruit, qty, price))
  i += 1
print(output)
```

Answer: B and C

6. which of the following tag <...> is used to mark a begining of paragraph?

A. pr

B. td

C. br

D. p

Answer: D

7. Character encoding is

A. method used to represent numbers in a character
B. method used to represent character in a length
C. method used to represent character in a number
D. a system that consists of a code which pairs each character with a pattern,sequence of natural numbers or electrical pulse in order to transmit the data

Answer: D

8. To create HTML page, you need _____?

A. Web browser
B. text editor
C. Both [A] and [B]
D. None of the above

Answer: C

9. What does the < br > tag add to your webpage?

A. Long break
B. Paragraph break
C. Line break
D. None of the above

Answer: C

10. What kind of list will < ol > tags create?

A. Numbered list
B. Bulleted list
C. Unordered list
D. None of the above

Answer: A

11. 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.

Answer: A

12. Select the appropriate HTML tag used for the largest heading?

A.Head
B.H1
C.H6
D.Heading

+*Answer: B*

13.Select the correct HTML for creating a hyperlink?

A.a url="http://www.clarusway.com">clarusway.com
B.<a href="http://www.clarusway.com">clarusway
C. a>http://www.clarusway.com
D. name="http://www.clarusway.com">clarusway.com

+*Answer: B*

Interview Questions   15m

1. What is the major difference between tuples and lists in Python?

Answer: There are several major differences between tuples and lists in Python, which include the following:

Tuples

- Tuples are similar to a list, but they are enclosed within parenthesis, unlike the list.
- The element and size can not be changed.
- They cannot be updated.
- They act as read-only lists.
- Example of Tuple Code is, tup = (1, "a", "string", 1+2)

Lists

- The list is used to create a sequence.
- The element and size can be changed.
- They can be updated.
- They act as a changeable list.
- Lists are surrounded by [ ]
- Example of Lists Code is, L = [1, "a" , "string" , 1+2]

2. What are some of the key new features in HTML5?

Answer: Key new features of HTML5 include:

- Improved support for embedding graphics,audio,and video content via the new < canvas >,< audio >,< video > tags.

- Extensions to the JavaScript API such as geolocation and drag-and-drop as well for storage and caching.

- Introduction of "web workers".

- Several new semantic tags were also added to complement the structural logic of modern web applications. These include the < main >, < nav >, < article >, < section >, < header >, < footer >, and < aside > tags.

- New form controls, such as < calendar >, < date >, < time >, < email >, < url >, < search >

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Coffee Break   **10m**

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Logical Reasoning Questions   **15m**

1. A man is facing west. He turns 45 degrees in the clockwise direction and then another 180 degrees in the same direction and then 270 degrees in the anticlockwise direction. Find which direction he is facing now?

A. A. South-West
B. West
C. South
D. East-South

Answer: A

2. In this question, five words have been given, out of which four are alike in some manner and the fifth one is different. Choose out the odd one?

A. Potassium
B. Silicon
C. Zirconium
D. Gallium

Answer: A

3. In this question, five words have been given, out of which fourArrange the words given below in a meaningful sequence?

1.Elephant 2.Cat 3.Mosquito 4.Tiger 5. Whale

A. 5, 3, 1, 2, 4
B. 3, 2, 4, 1, 5
C. 1, 3, 5, 4, 2
D. 2, 5, 1, 4, 3

Answer: B

Video of the Week   10m

- **How to Prepare for a Virtual Interview**

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**