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.

```
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.

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

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

D.

```
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. What happens in the design phase of SDLC?

A. The code is produced

B. Making changes when the sotware has been created

C. Planning the solution, look and feel of the software interface

D. Ensuring the requirements are understood

Answer: C

7. SDLC stands for?

A. Software Development Life Cycle
B. System Development Life Cycle
C. Software Design Life Cycle
D. System Design Life Cycle

Answer: A

8. This phase of the SDLC is known as the "ongoing phase" where the system is periodically evaluated and updated as needed

A. Preliminary investigation
B. System design
C. System implementation
D. System maintenance

Answer: D

9. Which of the following are valid step in SDLC framework?

A. Requirement Gathering
B. System Analysis
C. Software Design
D. All of the above

Answer: D

10. Which of the following is not a software development life cycle model?

A. Agile model
B. RAD model
C. Waterfall model
D. Sequential model

Answer: D

11. Verification is the responsibility of ?

A. Developer
B. Analyst
C. QA Team
D. Designer

Answer: C

Interview Questions   15m

1. What is the importance of Design phase in SDLC?

Answer: The requirements is specified in the form of a document. It is then converted into a logical structure which needs to be implemented in a specific programming language. The design phase is also helpful for specifying hardware & system requirements. It also allows defining complete system architecture. The output is designed to document that acts as an input for all the subsequent SDLC phases.

2. What is SQL and What is a Database?

Answer: SQL stands for Structured Query Language , and it is used to communicate with the Database. This is a standard language used to perform tasks such as retrieval, updation, insertion and deletion of data from a database.

Database is nothing but an organized form of data for easy access, storing, retrieval and managing of data. This is also known as structured form of data which can be accessed in many ways.

Example: School Management Database, Bank Management Database.

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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

- **What is SDLC?**

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**