TEAM LEAD VERSION (TW-8)

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

▶ Icebreaking

▶ Questions

▶ Interview Questions

▶ Coffee Break

▶ Logical Reasoning Questions

▶ Video of the week

▶ Retro meeting

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 proper way to write a list comprehension that represents all the keys in this dictionary in Python?

```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()

+*Answer: C*

2. When would you use a for loop in Python?

A. Only in some situations, as loops are used ony for certaing type of programming.
B. When you need to check every element in an iterable of known length.
C. When you want to minimize the use of strings in your code.
D. When you want to run code in one file for a function in another file

+*Answer: B*

3. What is the output of the following program?

```python
i = 5
while True:
    if i%0xe == 0:
        break
```

```
    print(i)
    i += 1
```

A.

```
Error
```

B.

```
5
6
7
8
```

C.

```
5
6
```

D.

```
5
6
7
8
9
10
11
12
13
```

+*Answer: D* **hint: 0xe (hexadecimal number) = decimal 14**

4. What will be the output of the following Python code snippet?

```python
x = 'abcd'
for i in range(len(x)):
    i[x].upper()
print (x)
```

A. abcd
B. ABCD
C. error
D. aBcD

+*Answer: C*

5. 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))

+*Answer: D*

6. 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*

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

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

+*Answer: D*

8. 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*

9. 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

10. How can you filter duplicate data while retrieving records from a table in SQL?

A. DISTINCT
B. WHERE
C. LIMIT
D. AS

+Answer: A

11. If we have not specified ASC or DESC after a SQL ORDER BY clause, the following is used by default?

A. DESC
B. ASC
C. There is no default value
D. None of the mentioned

+Answer: B

12. In an Agile environment, what is the main responsibility of a tester?

A. Create test scenarios and test cases
B. Finding bugs
C. Create automation scripts
D. There is no role as a Tester in Scrum

+Answer: D

13. Who is responsible to measure the Project's performance?

A. The Scrum Master
B. The Product Owner
C. The Scrum Team
D. The Development Team

+Answer: B

14. Which one is not one of the main responsibilities of a Scrum Master?

A. Facilitating meeting as and when requested
B. Consulting the Development Team and Product Owner
C. Bridging the Gap between the Team and the Customer
D. Removing Impediments

+*Answer: C*

15. When is a Sprint Retrospective ceremony performed?

A. Whenever the team suggests
B. At the end of each Sprint
C. Whenever the Product Owner suggests
D. Whenever the Scrum Master suggests

+*Answer: B*

Interview Questions   15m

1. What are the benefits of using JIRA?

Answer:

- **Upfront and fair licensing policy**
- **Features that is not available elsewhere**
- **Get latest update on the progress of projects**
- **It run anywhere and recognized with many famous companies**
- **Easily extensible and customizable**

2. How is Agile Methodology different than Traditional Waterfall process?

Answer:

This is the most commonly asked agile interview question. In agile methodology, features of the software are delivered frequently, so that the testing activity is done simultaneously with the development activity. Testing time is shortened as only small features are need be tasted at once.

3. Explain Python functions?

Answer: A function is a section of the program or a block of code that is written once and can be executed whenever required in the program. A function is a block of self-contained statements which has a valid name, parameters list, and body. Functions make programming more functional and modular to perform modular tasks. Python provides several built-in functions to complete tasks and also allows a user to create new functions as well.

There are two types of functions:

- **Built-In Functions:** copy(), len(), count() are the some built-in functions.
- **User-defined Functions:** Functions which are defined by a user known as user-defined functions.

☕

Coffee Break   10m

☕

Logical Reasoning Questions   15m

1. There are three houses. One is red, one is blue, and one is white. If the red house is to the left of the house in the middle, and the blue house is to the right of the house in the middle, where is the white house?

Answer: Washington DC

2. A boy and a doctor were fishing. The boy is the doctor's son, but the doctor isn't the boy's father. Who is the doctor?

Answer: Mother

3. Two world's famous prisoners 'Colditz' and 'Pascal' are locked in a cell. They plan to escape from the cell. They noticed there is an open window at 40 feet above the ground level.Both of them tried very hard but are never able to reach there. Then both of them decided to plan to escape by a tunnel and they start digging out. After digging for just 5 days, Colditz and Pascal comes out with the much more easier plan than tunneling and they escaped. what was the plan?

Answer: They use the bricks and dirt from the tunnel to stand on it.

Video of the Week   10m

- **Day in the Life : Data Scientist**
- **Day in the Life : Full-Stack Developer**
- **Day in the Life : DevOps Engineer**

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**