TEAM LEAD VERSION (TW-8)

Meeting Agenda

▶ Icebreaking

▶ Questions

▶ Interview Questions

▶ Coffee Break

▶ Logical Reasoning Questions

▶ Video of the week

▶ Retro meeting

Teamwork Schedule

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   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
```

```python
        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

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 of the following is delivered at the end of the Sprint?

A. A document containing test cases for the current sprint

B. An architectural design of the solution

C. An increment of Done software

D. Wireframes designs for User Interface

Answer: C

7. 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

8. 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

9. 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

10. 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

11. What will show you all the subdirectories of the current directory?

A. ls
B. rm
C. pwd
D. cd

Answer: A

12. What does the pwd command do?

A. It saves the current working directory, so that you can return there with the pwd command
B. It asks the password of the current user, and the prompts for a new password
C. It prints the path of the current working directory
D. It launches the power management daemon

Answer: C

13. Which of the following command helps to create directory called test?

A. mkdir test
B. md test
C. dir test
D. None of the above

Answer: A

14. Which option of rm command is used to remove a directory with all its subdirectories?

A. -b
B. -p
C. -o
D. -r

Answer: D

15. Which directory contain device special files?

A. /etc
B. /etc/dev
C. /root/bin
D. /dev

Answer: D

Interview Questions   **15m**

1. 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.**

2. What are local variables and global variables in Python?

Answer:

- **Global Variables:**

Variables declared outside a function or in global space are called global variables. These variables can be accessed by any function in the program.

- **Local Variables:**

Any variable declared inside a function is known as a local variable. This variable is present in the local space and not in the global space.

When you try to access the local variable outside the function, it will give an error.

3. What is Kanban?

Answer:

It is one of the common agile interview questions. Kanban is a tool which helps the team to keep a close eye the work i.e., to measure its progress. Apart from the progress, the status of a development story can be seamlessly described with the help of 'kanban board'. Kanban board aids in writing the whole scenario of a project at a single place to give a perfect picture of the bottleneck, a task done, workflow progress. It helps in the continuous delivery of the product without overburdening the team.

4. What is Agile Testing and How is Agile Methodology different than Traditional Waterfall process?

Answer:

The first question of agile interview question tests your knowledge about the basic of agile testing. Agile testing is a practice based on the principles of agile software development. It includes all members of an agile team with specific skills and a certain expertise to ensure the timely delivery of a product with the release of additional features at frequent intervals.

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.

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Coffee Break   **10m**

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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   5m

- **Day in the Life : Data Scientist**

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**