# TEAM LEAD VERSION (TW-3)



# 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 linux mascot?**

**A.** Hat
**B.** Gecko
**C.** Elephant
**D.** Penguin

*Answer: D*

**2. The Linux Kernel was written by?**

**A.** Brian Kernighan
**B.** Linus Torvalds
**C.** Dennis Ritchie
**D.** Richard Stallman

*Answer: B*

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

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

*Answer: A*

### 4. 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*

### 5. Which of the following are NOT a valid way to specify the string literal foo'bar in Python?

**A.** 'foo\'bar'
**B.** "foo'bar"
**C.** 'foo'bar'
**D.** """foo'bar"""

*Answer: C*

### 6. Which of the following is not a Python built-in function?

**A.** map()
**B.** round()
**C.** repr()
**D.** diff()

*Answer: D*

### 7. How do you insert COMMENTS in Python code?

**A.** #This is a comment
**B.** //This is a comment
**C.** /This is a comment/
**D.** --This is a comment--

*Answer: A*

### 8. Which one is NOT a legal variable name?

**A.** _myvar
**B.** Myvar
**C.** my_var
**D.** my-var

*Answer: D* (python thinks it is minus sign)

## 9. What is the correct syntax to output the type of a variable or object in Python?

**A.** print(type(x))
**B.** print(typeOf(x))
**C.** print(typeof(x))
**D.** print(typeof x)

*Answer: A*

## 10. What will be the output of the following Python statement?

```python
example = "snow world"
print("%s" % example[4:7])
```

**A.** wo
**B.** world
**C.** sn
**D.** rl

*Answer: A*

## 11. What will be the output of the following Python statement?

```python
print("abcd"[2:])
```

**A.** ac
**B.** bc
**C.** cd
**D.** dc

*Answer: C*

## 12. What will be the output of the following Python statement?

```python
print(chr(ord('b')+1))
```

**A.** a
**B.** b
**C.** c
**D.** A

*Answer: C*

## 13. What will be the output of the following Python statement?

```python
print(format("Welcome", "10s"), end = '#')
print(format(111, "4d"), end = '#')
print(format(924.656, "3.2f"))
```

```
A. Welcome# 111#924.66

B. Welcome#111#924.66

C. Welcome#111#.66

D. Welcome    # 111#924.66
```

**more info about format https://www.geeksforgeeks.org/python-format-function/** *Answer: D*

## 14. What will be the output of the following Python code?

```python
print("xyyzxyzxzxyy".count('yy', 2))
```

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

*Answer: C*

## 15. What will be the output of the following Python code?

```python
print("xyyzxyzxzxyy".endswith("xyy", 0, 2))
```

A. 0
B. 1
C. True
D. False

*Answer: D*

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### Interview Questions                                                                    15m

### 1. What is Linux?

Answer: Linux is an operating system based on UNIX and was first introduced by Linus Torvalds. It is based on the Linux Kernel and can run on different hardware platforms manufactured by Intel, MIPS, HP, IBM, SPARC, and Motorola. Another popular element in Linux is its mascot, a penguin figure named Tux.

## 2. What is difference between LINUX and UNIX?

Answer: Although there are multiple differences between LINUX and UNIX, enlisted points in the below cover all the major differences.

- LINUX is an open source software development and free operating system used for computer hardware & software, game development, PCs, etc. UNIX is an operating system which is basically used in Intel, HP, internet servers, etc.
- LINUX has priced as well as freely distributed and downloaded versions. Different versions/flavours of UNIX have different price structures.
- Users of this operating system could be anyone including home users, developers, etc. This operating system was basically developed for mainframes, servers and workstations except for OSX which is designed such that it can be used by anyone. File support system includes Ext2, Ext3, Ext4, Jfs, Xfs, Btrfs,FAT, etc. File support system includes jfs, gpfs, hfs, etc. BASH (Bourne Again Shell) is the Linux default shell i.e. text mode interface which supports multiple command interpreters. Bourne shell serves as the text mode interface which is now compatible with many others including BASH.
- LINUX provides two GUIs, KDE and Gnome. Common desktop environment was created which serves as a GUI for UNIX. Examples: Red Hat, Fedora, Ubuntu, Debian, etc. Examples: Solaris, All Linux It provides higher security and has about 60-100 viruses listed till date. It is also highly secured and has about 85-120 viruses listed till date.

## 3. What do you understand by the Root account?

Answer: As the name suggests, it is like a system administrator account which gives you the ability to fully control the system. The root account serves as the default account whenever Linux is installed.

Below mentioned functions can be performed by the Root account:

- Create user accounts
- Maintain user accounts
- Assign different permissions to each account created and so on

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**Coffee Break**                                                                                          **10m**

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## Logical Reasoning Questions                                    15m

**1. Look at this series: 80, 10, 70, 15, 60, ... What number should come next?**

*Answer: 20. This is an alternating addition and subtraction series. In the first pattern, 10 is subtracted from each number to arrive at the next. In the second, 5 is added to each number to arrive at the next.*

**2. CUP : LIP :: BIRD : ?**

**A. GRASS**
**B. FOREST**
**C. BEAK**
**D. BUSH**

*Answer: C*

**3. An Informal Gathering occurs when a group of people get together in a casual, relaxed manner. Which situation below is the best example of an Informal Gathering?**

**A. A debating club meets on the first Sunday morning of every month.**
**B. After finding out about his salary raise, Jay and a few colleagues go out for a quick dinner after work.**
**C. Meena sends out 10 invitations for a bachelorette party she is giving for her elder sister.**
**D. Whenever she eats at a Chinese restaurant, Roop seems to run into Dibya.**

*Answer: B*

## Video of the Week                                    10m

- **What is Linux?**

## 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**