

TEAM LEAD VERSION (Demo-Week)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coffee Break
- ▶ Coding Challenge
- ▶ 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. Python was created by?

- A. Steve Jobs
- B. Gecko
- C. Guido van Rossum
- D. James Gosling

Answer: C

2. Python syntax is case-sensitive.

- A. True
- B. False

Answer: A

3. All keywords in Python are in ?

- A. lower case
- B. UPPER CASE
- C. Capitalized
- D. None of the mentioned

Answer: D: None of the mentioned

4. What is the linux mascot?

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

Answer: D

5. The Linux Kernel was written by?

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

Answer: D

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

- A. rm
- B. ls
- C. cd
- D. cp

Answer: B

7. What does the pwd command do?

- A. It saves the current working directory, so that you can return there with the popd 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

8.HTML stands for?

- A. Hyper Text Markup Language
- B. High Text Markup Language
- C. Hyper Tabular Markup Language
- D. None of these

Answer: A

9. The HTML document itself begins with

- A. html
- B. body

- C. p
- D. !DOCTYPE

Answer: A

10. The terminology that is not displayed by a browser is called..

- A. html tags
- B. layouts
- C. page
- D. tables

Answer: A

Interview Questions

15m

1. What is Python?

Answer: Python is a high-level, interpreted, general-purpose programming language. Being a general-purpose language, it can be used to build almost any type of application with the right tools/libraries. Additionally, python supports objects, modules, threads, exception-handling and automatic memory management which help in modelling real-world problems and building applications to solve these problems.

2. What is PEP 8 and why is it important?

Answer: PEP stands for Python Enhancement Proposal. A PEP is an official design document providing information to the Python Community, or describing a new feature for Python or its processes. PEP 8 is especially important since it documents the style guidelines for Python Code. Apparently contributing in the Python open-source community requires you to follow these style guidelines sincerely and strictly.

3. 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.

4. What is BASH?

Answer: BASH is short for Bourne Again Shell (represented by /bin/bash). It was written by Steve Bourne as a replacement to the original Bourne Shell (represented by /bin/sh). It combines all the features from the original version of Bourne Shell, plus additional functions to make it easier and more convenient to use. It has since been adapted as the default shell for most systems running Linux.

5. What is HTML?

Answer: HTML stands for Hyper Text Markup Language. It is a language of World Wide Web. It is a standard text formatting language which is used to create and display pages on the Web. It makes the text more interactive and dynamic. It can turn text into images, tables, links. More details.

6. What are Tags?

Answer: HTML tags are composed of three things: an opening tag, content and ending tag. Some tags are unclosed tags. HTML documents contain two things: content, and tags. When a web browser reads an HTML document, the browser reads it from top to bottom and left to right. HTML tags are used to create HTML documents and render their properties. Each HTML tag has different properties.



Coffee Break

10m



Coding Challenge

15m

PP-CC-001 : Convert Minutes into Seconds

Purpose of this coding challenge is to write a code that takes minutes and converts it to seconds.

Learning Outcomes

At the end of this coding challenge, students will be able to;

- Analyze a problem, identify and apply programming knowledge for appropriate solution.
- Demonstrate their knowledge of algorithmic design principles by using Python effectively.

Problem Statement

- Write a function that takes an integer minutes and converts it to seconds.
- Examples:
 - `convert(5)` → 300
 - `convert(3)` → 180
 - `convert(2)` → 120



Solution

```
def convert(minutes):  
    return minutes * 60
```

Video of the Week

10m

- [Coding is Not Difficult](#)
-

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?
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Closing

5m

-Next week's plan

-QA Session
