TEAM LEAD VERSION - 01

TEAMWORK

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. What do we mean by COMPUTATIONAL THINKING?

A. Breaking a task into smaller tasks.
B. Understanding a complex problem and developing possible solutions.
C. Focusing on what is important, ignoring what is unnecessary.
D. Selecting a computer to use.

Answer: B

2. Breaking a complex problem down into smaller problems and solving each one individually.

A. Programming
B. Decomposition
C. Abstraction
D. Algorithmic Thinking

Answer: B

3. Why do we need to think computationally?

A. To help us to think like a computer
B. To help us program
C. To help us solve complex problems more easily
D. None of these

Answer: C

4. What is an Algorithm?

A. Some instructions
B. Something a computer does to think
C. A series of steps and instructions with given outputs to produce an input
D. A series of steps and instructions with given inputs to produce an output

Answer: D

5. Identify the command which is used to remove files?

A. delete
B. rm
C. dm
D. remove

Answer: B

6. What is the core of the Linux operating system?

A. Terminal
B. Kernel
C. Command
D. Bash

Answer: B

7. Identify the OS which is not based on Linux?

A.BSD
B.CentOS
C.Ubuntu
D.Red Hat

Answer: A

8. Which symbol is used to represent a decision in a systems flowchart?

A. Rectangle
B. Diamond
C. Parallelogram
D. Square

Answer: B

9. What is the correct order of occurrence in a system flowchart?

A. input, output, process, feedback
B. feedback, input, output, process
C. input, process, output, feedback
D. input, output, process

Answer: C

10. What does the Start/End symbol do?

A. Ends the program Only
B. Can be used to show the beginning or ending of a program.
C. Visual representation of the entire program
D. Starts the program Only

Answer: B

Interview Questions 15m

1. What does computational thinking stand for?

Answer: *Computational thinking is a way of solving problems, designing systems, and understanding human behavior that draws on concepts fundamental to computer science. To flourish in today's world, computational thinking has to be a fundamental part of the way people think and understand the world.*

2. Why is computational thinking important?

Answer: *Computational thinking enables us to solve any given challenge through an analytical and methodical approach. Put simply, computational thinking teaches students to process information like a computer would. It guides students through a series of steps, similar to an algorithm, to solve open-ended problems.*

3. What is Linux?

Answer: Linux is a UNIX based operating system. Linus Torvalds first introduced it. It is an open source operating system that was designed to provide free and a low-cost operating system for the computer users.

4. If you have saved a file in Linux. Later you wish to rename that file, what command is designed for it?

Answer: The 'mv' command is used to rename a file.

5. What is CLI?

Answer: CLI stands for Command Line Interface. It is an interface that allows users to type declarative commands to instruct the computer to perform operations.

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Coffee Break 10m

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Video of the Week 10m

- Coding is Not Difficult

Coding Challenge 15m

Place the instructions below in the flow chart. *Some of the instructions are not required - you should only include those which are relevant to the task.*

Q1. Steps for working out 4.72 divided by 1.18 on a calculator.

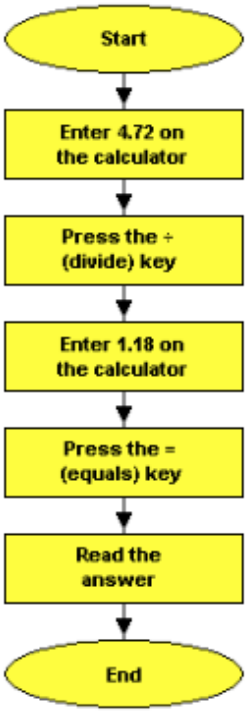
Question 1
The flow chart on the right is meant to show the steps for working out 4.72 divided by 1.18 on a calculator.

Place the instructions below in the flow chart.
Some of the instructions are not required - you should only include those which are relevant to the task.

Press the C (cancel) key

Press the × (multiply) key

Enter 4.00 on the calculator



Q2. Steps for stopping working on a computer and shutting it down..

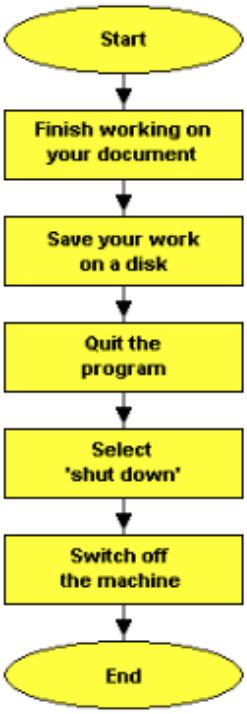
Question 2
The flow chart on the right is meant to show the steps for stopping working on a computer and shutting it down.

Place the instructions below in the flow chart.
Some of the instructions are not required - you should only include those which are relevant to the task.

Check your electronic mail

Turn on the computer

Start a new document



Case study/Project 15m

Linux-CC-01 : Linux Operations - Check Linux-Hands-On-1.pdf document.

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
