TW-01 STUDENT VERSION (Sprint-1 Week-1)

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 (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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Interview Questions 15m

1. What does computational thinking stand for?

2. Why is computational thinking important?

3. What is Linux?

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

5. What is CLI?

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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.*

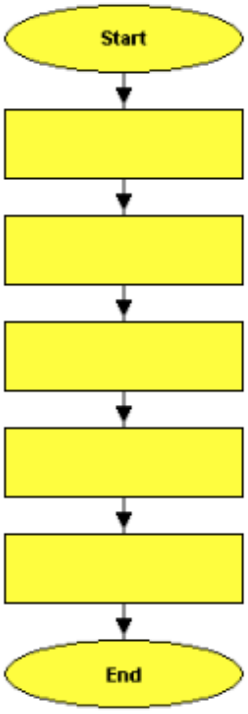
Q1. Steps for working out 4.72 divided by 1.18 on a calculator.

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.

Read the answer	Enter 4.72 on the calculator
Enter 1.18 on the calculator	Press the C (cancel) key
Press the ÷ (divide) key	Press the × (multiply) key
Enter 4.00 on the calculator	Press the = (equals) key



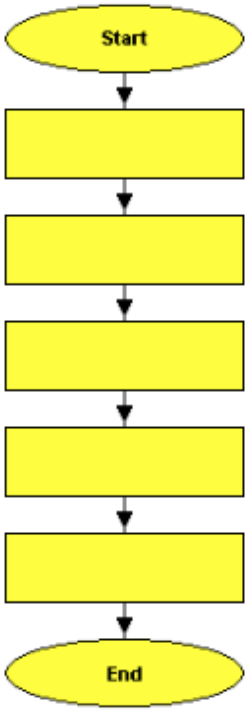
Q2. Steps for stopping working on a computer and shutting it down..

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.

Quit the program	Check your electronic mail
Switch off the machine	Turn on the computer
Finish working on your document	Select 'shut down'
Start a new document	Save your work on a disk



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?

Case study/Project 15m

Linux-CC-01 : Linux Operations

Closing 5m

-Next week's plan

-QA Session
