TEAM LEAD VERSION (Prep-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. How can you check your current git version?

A. git --v
B. git --version
C. git --option
D. git --current

Answer: B

6. Which of the following command line environment is used for interacting with Git?

A. Git Bash
B. Git Hub
C. Git Boot
D. Git Lab

Answer: A

7. Which of these terms best describes Git?

A.Issue Tracking System
B.Integrated Development Environment
C.Distributed Version Control System
D.Web-Based Repository Hosting Service

Answer: C

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 Git?

Answer: *GIT is a distributed version control system and source code management (SCM) system with an emphasis to handle small and large projects with speed and efficiency.*

4. What is the difference between Git and Github?

Answer: *

- Git is a version control system of distributed nature that is used to track changes in source code during software development. It aids in coordinating work among programmers, but it can be used to track changes in any set of files. The main objectives of Git are speed, data integrity, and support for distributed, non-linear workflows.
- GitHub is a Git repository hosting service, plus it adds many of its own features. GitHub provides a Webbased graphical interface. It also provides access control and several collaboration features, basic task management tools for every project.*

5. What Does HTML Stand For?

Answer: *HTML (HyperText Markup Language) is a markup language that defines the structure of your content. HTML consists of a series of elements, which you use to enclose, or wrap, different parts of the content to make it appear a certain way, or act a certain way. The enclosing tags can make a word or image hyperlink to somewhere else, can italicize words, can make the font bigger or smaller, and so on.*

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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.

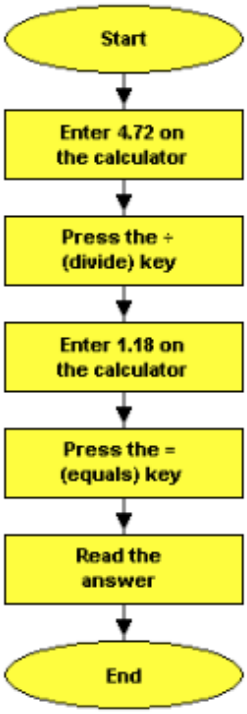
Question 1
The flow chart on the right is meant to show the steps for working out 4.72 divided by 1.18 on a calculator.

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..

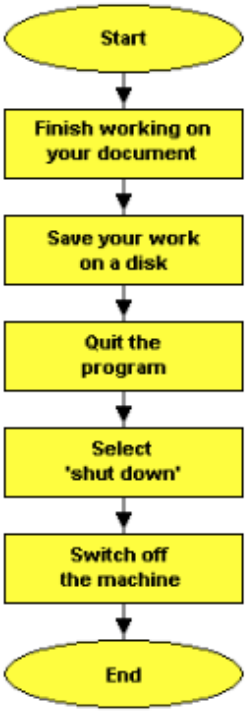
Question 2
The flow chart on the right is meant to show the steps for stopping working on a computer and shutting it down.

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

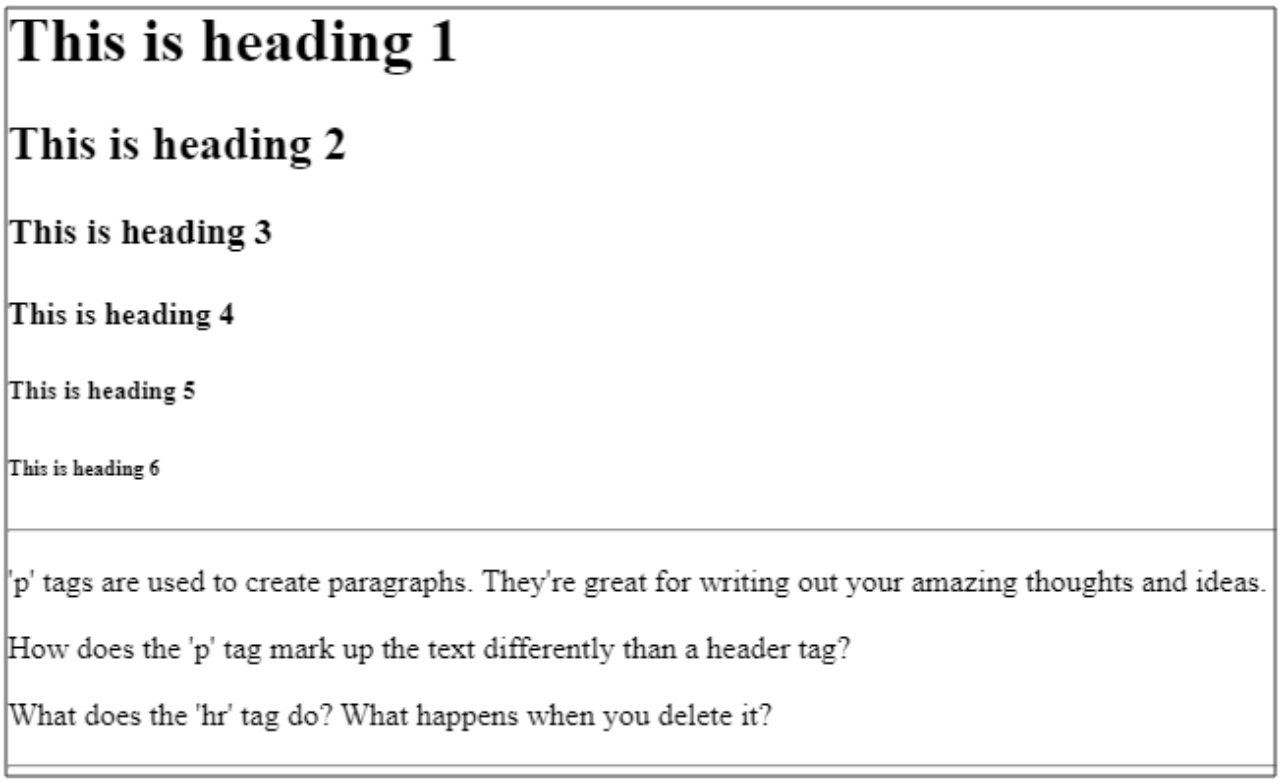
Start a new document



Case study/Project **15m**

HTML CC-01

Make a new index.html file that looks like the one below.



Solution :

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
    <body>
        <h1>This is heading 1</h1>
        <h2>This is heading 2</h2>
        <h3>This is heading 3</h3>
        <h4>This is heading 4</h4>
        <h5>This is heading 5</h5>
        <h6>This is heading 6</h6>
        <hr>
        <p>'p' tags are used to create paragraphs. They're great for writing out
your amazing thoughts and ideas.</p>
        <p>How does the 'p' tag mark up the text differently than a header tag?</p>
        <p>What does the 'hr' tag do? What happens when you delete it?</p>
        <hr>
    </body>
</html>
```

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
