

TW-07 GROUP VERSION



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Workshop Activities
 - ▶ Questions
- ▶ Teamwork Activities
 - ▶ Interview Questions
 - ▶ Video of the week
 - ▶ Case study / project
- ▶ Retro meeting

Workshop Activities

90m

Ask Questions

30m

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

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

2. 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

3. 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

4. In a flowchart, which symbol is used to indicate the start and end of a process?

- A. Oval
- B. Rectangle
- C. Diamond
- D. Parallelogram

5. Which of the following is NOT typically represented using a flowchart?

- A. Algorithm
- B. Decision-making process
- C. Organizational hierarchy
- D. Electrical circuit

6. Look at this series: 2, 1, (1/2), (1/4), ... What number should come next?

- A. (1/3)
- B. (1/8)
- C. (2/8)
- D. (1/16)

7. Kevin, Joseph, and Nicholas are 3 brothers. If the following statements are all true, which of them is the youngest?

- ✓ Kevin is the oldest.
- ✓ Nicholas is not the oldest.
- ✓ Joseph is not the youngest.

- A. Joseph
- B. Kevin
- C. Nicholas
- D. both joseph and nicholas

8. If the first two statements are true, the third statement is...

- Blueberries cost more than strawberries.
- Blueberries cost less than raspberries.
- Raspberries cost more than strawberries and blueberries.

- A. true
- B. false
- C. uncertain

9. Which one is not an assignment operator in JavaScript?

- A. +=
- B. &=
- C. |=
- D. \$=

10. Which variable name conforms to naming rules in JavaScript?

- A. _age-birth
- B. \$age
- C. 2-age
- D. age&birth

11. Which Variable-defining keyword allows its variable to be accessed (as undefined) before the line that defines it?

- A. var
- B. let
- C. const
- D. all of them

12. Which operator returns true if the two compared values are not equal?

- A. <>
- B. ~
- C. ==!
- D. !==

13. When would you use a conditional statement?

- A. When you want to reuse a set of statements multiple times.
- B. When you want your code to choose between multiple options.
- C. When you want to group data together.
- D. When you want to loop through a group of statement.

14. Which of the following values is not a Boolean false?

- A. Boolean(0)
- B. Boolean("")
- C. Boolean(NaN)
- D. Boolean("false")

15. Why would you include a `use strict` statement in a JavaScript file?

- A. to tell parsers to interpret your JavaScript syntax loosely
- B. to tell parsers to enforce all JavaScript syntax rules when processing your code
- C. to instruct the browser to automatically fix any errors it finds in the code
- D. to enable ES6 features in your code

Coding Challenge

40m

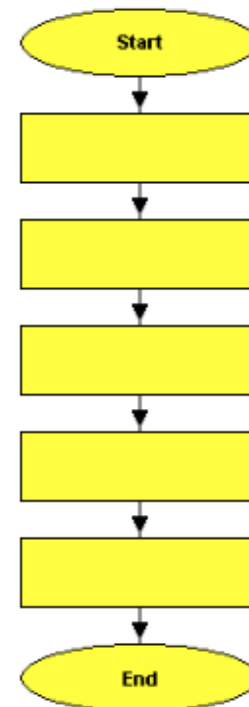
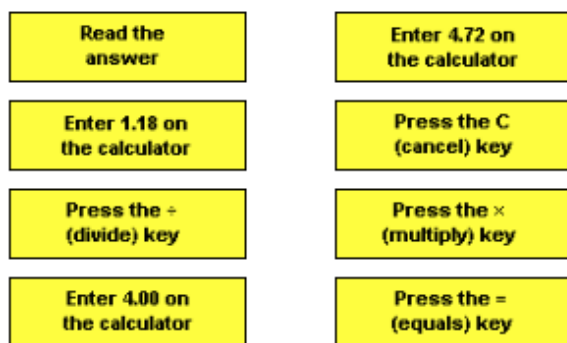
Place the instructions below in the flow chart. *Some of the instructions are not required - you should only include those which are relevant to the task.*

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.

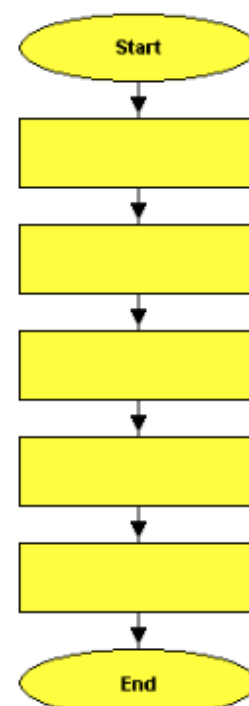
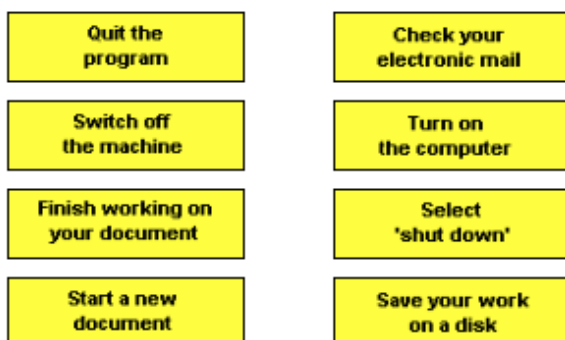


Q2. Steps for stopping working on a computer and shutting it down..

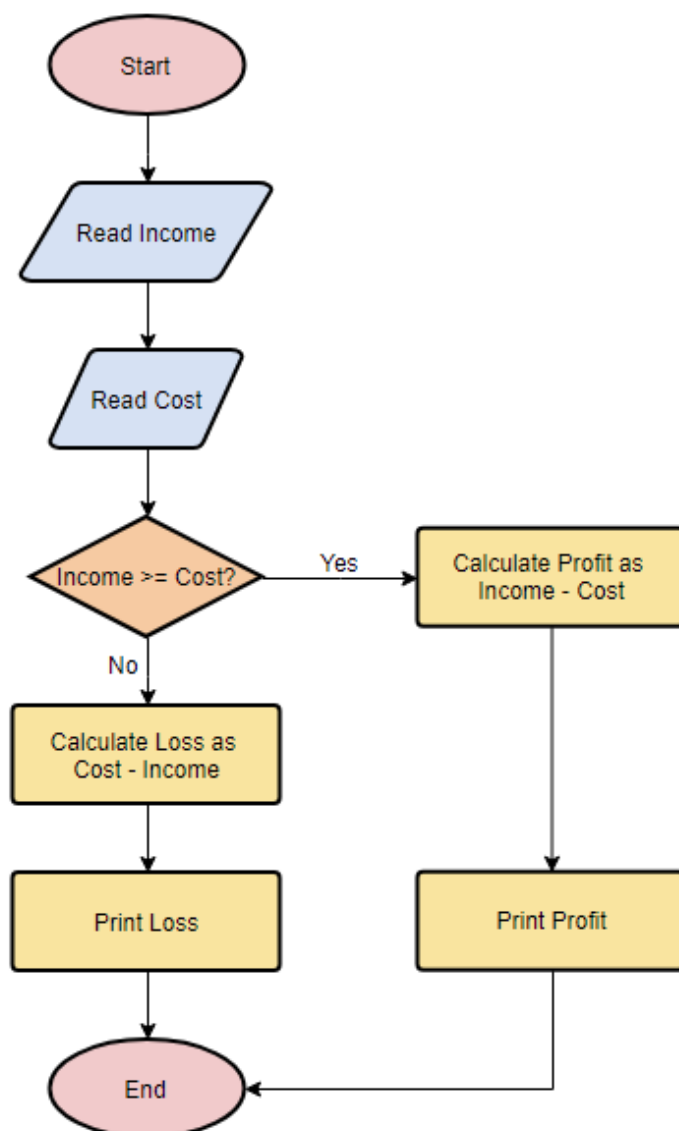
Question 2

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.



Q3. Interpret the flow diagram below for the case where $\text{income} = 2000$ and $\text{cost} = 1200$.



Q4. Interpret the same flow diagram for $\text{Income} = 2000$, $\text{cost} = 2500$.

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.

Interview Questions

30m

1. What are the escape characters in JavaScript?

2. Who developed JavaScript ?

3. What is JavaScript Hoisting?

4. When to Draw Flowchart?



Coffee Break

10m

Video of the Week

10m

- [JavaScript Hoisting](#)

Case study/Project

30m

- Code a simple js switch case calculator that can do four operations.
 - Take first number from user
 - Take operator sign from user
 - Take second number from user
 - Calculate the result write the result to the console.

Tip: No functions required for solution.

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

10m

- Next week's plan
 - QA Session
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