

2/22/2021

W1D1 Algorithms assignment

1) when an assignment is performed without using let or const keywords in “strict mode”, it would say “reference error”.... the variable is not defined

2) reserved keywords in JavaScript: delete, function, in, for, while, return, else, ...

3) Both computer program and algorithm have similarities and differences too.

They both are a set of instructions. But a computer program is an algorithm written using a language that the machine understands. Whereas an algorithm is a step-by-step sequence of operations to accomplish some tasks.

4) A) Algorithm to make breakfast

- Pour water from the tub in the kettle
- Turn it on
- Turn the kettle off when water boiled enough to make tea
- Pour it in a cup
- Put Lipton tea inside the cup filled with hot water
- Put two small cups of sugar
- Stir the sugar
- Then drink it

B) Algorithm to measure how much gas is consumed per mile

- I record the number of gallons I put at first
- I record the mileage start
- I record the mileage end/destination

- I record the difference (ending – start)
- I divide the total gas consumed by the mileage I drove