2/11/2021  
W1D1 Algorithms assignment

1. What happens when an assignment is performed without using let keyword

in strict mode?

* In strict mode when an assignment is performed without using let keyword then It will display and ReferenceError message - that the variable is not defined and will not execute the output.

2. List 5 reserved keywords in JavaScript.

let

delete

const

delete

new

1. How is a computer program similar/ different than an algorithm?

* Algorithm is a sequence of instructions or the operational step to accomplish the task. It is the step by step process to solve the specific problem. It is a general way to find the solution of the problem. It does not need the special language for special problem.
* Computer program is also an algorithm written in a language in a way that computer understand and execute. Computer program is made of data and instruction. Instruction of computer program is like an algorithm which consist of step by step process to execute the data and give the desired output.
* For a particular problem an algorithm will give the general step/way to find out the solution. When the algorithm is used to write the computer program it needs the program language that computer can understand and operate. The algorithm written in program language will process the data after it received it and will give the output or result.

1. Write at least two algorithms you perform on your daily life, with at least one algorithm that can be converted to computer program?

* Algorithm for calling someone by mobile

1. Turn on the mobile
2. If locked input the password
3. Go the dial option
4. If know the mobile number input the mobile number and press call
5. If do not know the mobile number search name or number on contact list
6. Select the name or number and press call
7. After conversation turn off the call.

* Determine the total monthly cost of gas

1. Set *sum* to 0
2. For *total cost* per gas filled
3. Get the *volume* of gas filled on each time
4. Get the *unit price* of gas when filled
5. Multiply the *unit price* and *volume*
6. Add *total cost* to *sum*
7. Get the *sum* of 30 days.