

W1D1 Assignment1

- **What happens when an assignment is performed without using let or const keywords in strict mode?**

If a variable is assigned before declaration without 'strict mode', JavaScript engine creates a new variable with that name (the name given during assignment without using let or const key words) and adds it to a global scope regardless of its current scope position. But, when it is assigned in 'strict mode', creating a global variable accidentally inside a function will be avoided.

If var is used, variable redeclaration will be possible. For non-declared variables, we can avoid hoisting, i.e., creating global scope variable accidentally.

- **List 5 reserved keywords in JavaScript.**

- Let, const, function, if, while, for, return, class

- **How is a computer program similar/ different than an algorithm?**

- *A computer program is composed of data and specific sequence of instructions in a specific programming language to perform a certain task. A program may contain the implementation of many algorithms.*

*Whereas an **algorithm** is a self-contained step-by-step set of operations to be performed to solve a specific problem or a class of problems.*

- *Write at least two algorithms you perform daily*

a. Taking Shower

- 1. Put off cloth;*
- 2. Get soap;*
- 3. Open water;*
- 4. Rinse body with water and soap;*
- 5. Wash body;*

6. *Use towel to dry;*

7. *Put on new cloth*

b. Baking bread

1. *Get dough*

2. *Put dough on baking pan*

3. *Put dough on baking pan to oven*

4. *Put on oven power*

5. *Adjust time*

6. *Give time*

7. *Get bread*