1. Strict mode changes some previously-accepted mistakes into errors and it treats these mistakes as errors so that they're discovered and promptly fixed and also creating a global variable accidentally inside a function will be avoided.

2. Let,const,if,else,do

3. A computer program is a specific sequence of instructions in a specific programming language. A program may contain the implementation of many algorithms where as 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.

4.

making a cup of tea

* Fill the kettle with water.
* Boil the water in the kettle.
* Put the teabag in a cup.
* Pour some of the boiled water into the cup.
* Add sugar to the cup.
* Stir the tea.
* Drink the tea.

Finding the max integer number in a sequence of integer numbers

1. Set the temporary maximum equal to the first integer in the sequence.

2. Compare the next integer in the sequence to the temporary maximum, and if it is larger than the temporary maximum, set the temporary maximum equal to this integer.

3. Repeat the previous step if there are more integers in the sequence.

4. Stop when there are no integers left in the sequence. The temporary maximum at this point is the largest integer in the sequence.