Question1:

1. A closure gives you access to an outer function’s scope from an inner function.
2. A callback is a function that is a parameter of another function.
3. A recursion is a function that calls itself.

Example:

function factorial(x) {

if (x === 0){

return 1;

}

return x \* factorial(x-1);

}

console.log(factorial(5));

1. Use strict indicates that the code is in strict mode witch is a more restricted version of JavaScript, where semantics are altered to make the code more resilient and secure.

Question 2:

1. (waits 3 seconds) 2 3
2. True false
3. John
4. An array containing the length of each word.
5. [1, 2, 3, 4] [5, 4, 3, 2, 1]

Question 4:

1- Encapsulation is the process of enclosing data and functions manipulating this data into a single unit, so that to hide the internal implementation from the outside world.

Abstraction is the process of generalization, all objects under consideration are included in a superset of objects, all of which possess given properties (but are different in other respects).