**Assignment 3.3**

1. function createIncrement() {
2. let count = 0;
3. function increment() {
4. count++;
5. }
6. let message=`Count is ${count}`;
7. function log() {

console.log(message);

1. }
2. return [increment,log];
3. }
4. const [increment,log] = createIncrement();
5. increment();
6. increment();
7. increment();
8. log();

**Output:** Count is 0

**Explaination:**

* Line no 1 to 10 is function expression. It gets executed at line no 11.
* When createIncrement() gets executed, it
  + Create a count element and assign a value 0 to it.
  + Declare an increment function which has access to count variable and increment a count variable when called.
  + Create a message string.
  + Logs a message to console.
  + Return the increment and log function in an array.
* The line no. 6 is executed only once when count variable assigned with value 0.

So the message “Count is 0” will remains the same throughout the function execution.

* No matter how many time we call increment function, it will only increment the value of count but the message will remains the same since the message is outside of function.
* If we want to update the message with regards to count element then below is the trick:

1. let count = 0;
2. let message;
3. function increment() {
4. count++;
5. message = `Count is ${count}`;
6. }
7. function log() {

console.log(message);

1. }

* Now, every time the function increment() is called it will increment the count element and update the message with regards to current count value.