What are the questions I ask myself when applying if(){} or else if(){} to prevent a piece of code from running in certain situations?

What’s the code that I want to run?

In what situation(s) do I want the code to not run, Thus in What situations do I want the code to run?

Note : Let me give an example of this. I want to multiply a variable by 20, But not if the result is greater than 200. Thus:

“In what situations do I want the variable to not be multiplied by 20?” : “When the result would be greater than 20”

“So In what situations do I want the variable to be multiplied by 20?” : “When the result would be smaller or equal to 20”

const my\_number = 10

if(my\_number \* 2 <= 200){

my\_number \*= 2

}

Note 2 : The problem with this way of preventing code is the fact that if(){} or else if(){} can, On their own, Only check the conditions ONCE. If you want to check multiple times, You have to put them inside the curled brace|{}|of for(){} or else if(){}. Let me give an example :

I want to apply -- to a variable, Again and again (Let us say 25 times),

But I don’t want -- to be applied when the stored value of variable becomes 0.

Thus the situation where I WANT – to be applied to the variable is when its stored value isn’t 0.

In the format of the applying it:

When do I want -- to not be applied? : When the stored value is 0

So, In what situations do I want – to be applied? : When the stored value isn’t 0

var number = 14

for(let i = 0; i <= 25; i++){

if(number !== 0){

number—

}

}