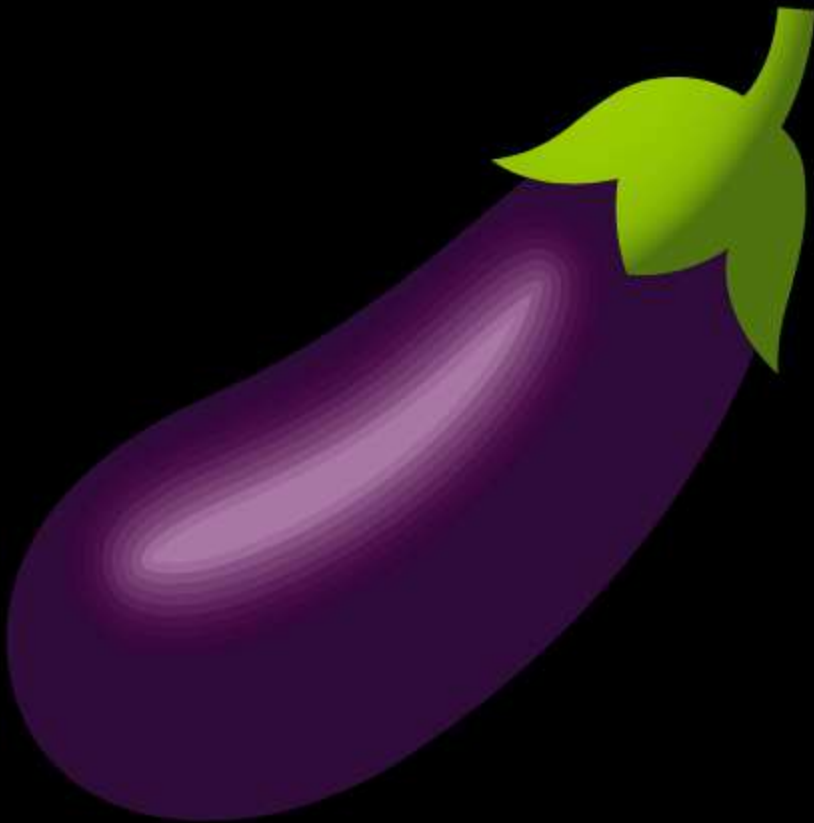




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Size Matters In Programming.....😁





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- Size matters in terms of a function.
- I am not talking about something else, i only post programming-related content



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Functions should be small

- Big functions with a lot of responsibilities should be divided into small ones, there can be several reasons why it should be done

Let's understand with an example

Large function




```
function largeFunction(someParameter) {  
  
    //task1  
    //doing sometask and getting value for task 2  
    //{  
  
    //}  
  
    //task2  
    //doing sometask and getting value for task 3  
    //{  
  
    //}  
  
    //task3  
    //doing sometask and returning that value  
    //{  
  
    //}  
  
    return valueFromTask3;  
  
}
```

Here this function is doing a **bunch of responsibilities** inside it.



Here you can see that it is divided into **small sub-functions**, the lines of code might increase but it becomes more understandable.


Precise small functions



```
function task1SF(parameterT1) {  
  //doing sometask and get value...  
  return task1Value;  
}
```

```
function task2SF(parameterT2) {  
  //doing sometask and get value...  
  return task2Value;  
}
```

```
function task3SF(parameterT3) {  
  //doing sometask and get value...  
  return task3Value;  
}
```



```
function smallFunction(someParameter) {  
  
  //task 1  
  var task1Value = task1SF(someParameter);  
  
  //task 2  
  var task2Value = task1SF(task1Value);  
  
  return task3SF(task2Value);  
}
```


Large functions

largeFunction()

It is one large function with a lot of responsibilities.

Precise functions

smallFunction()



It is one large function with a lot of responsibilities.

task1SF()

task2SF()

task3SF()

Why small?

It Improves the readability of a function.

The small sub-functions are reusable.

Call stack will show the exact function in case of error.

It is easier to debug.

It is easier to test and makes it more understandable for a new developer.