

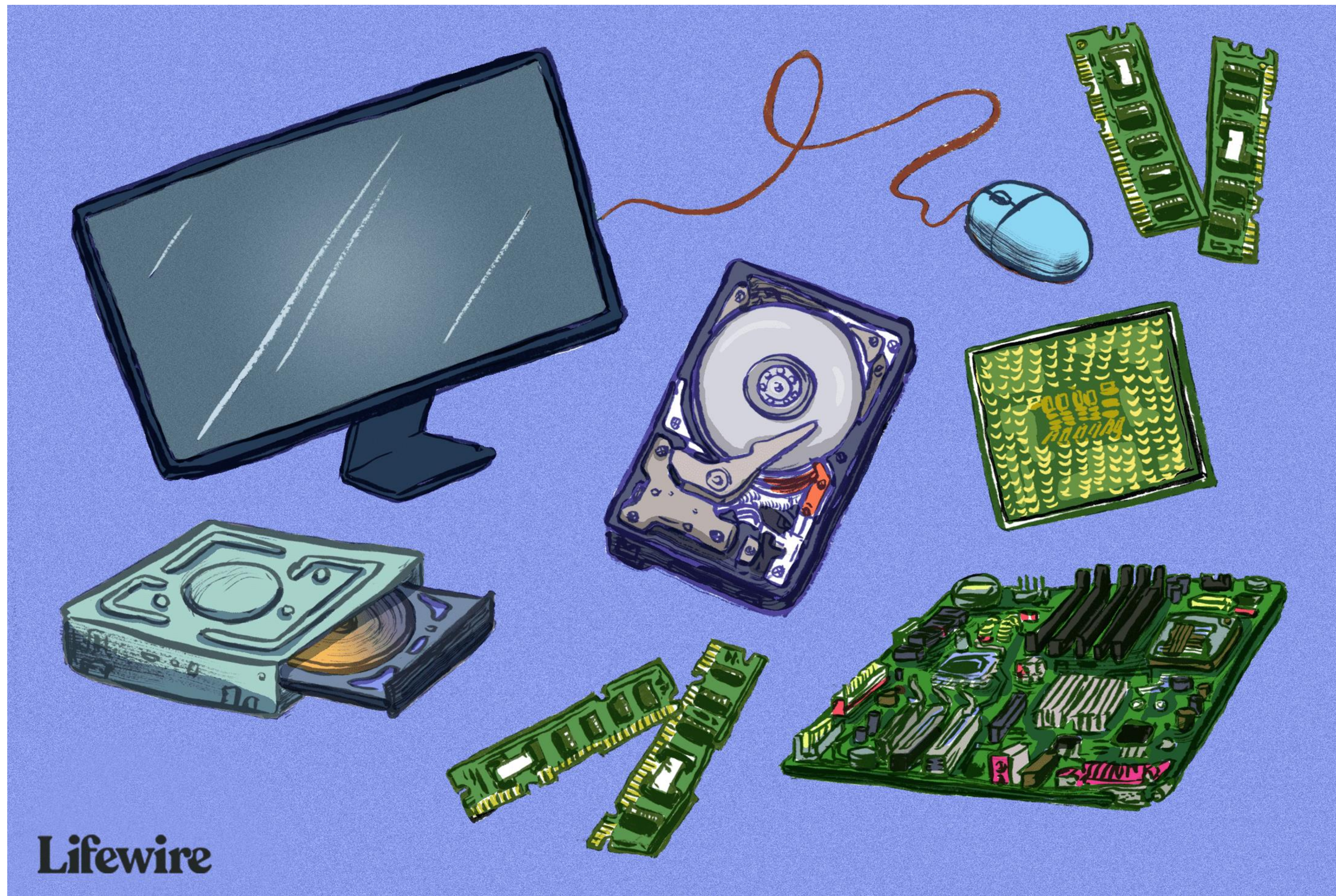
## EP 3 : Objects, JSON, String and String Templates



# Objects











```
1  const firstName = 'John'
2  const lastName = 'Muir'
3  const age = 43
4  const inRelationship = false
5
6  console.log(`His name is ${firstName} ${lastName}, and ${age} years old with ${
  inRelationship ? 'in relationship' : 'not in relationship'}`)
```



```
1  const person = {
2    firstName: 'John',
3    lastName: 'Muir',
4    age: 43,
5    inRelationship: false
6  }
7
8  console.log(`His name is ${person.firstName} ${person.lastName}, and ${person.age} years old with ${person.inRelationship ?
  'in relationship' : 'not in relationship'}`) // Dot notation
9  console.log(`His name is ${person[firstName]} ${person[lastName]}, and ${person[age]} years old with ${person[inRelationship] ?
  'in relationship' : 'not in relationship'}`) // Bracket Notation
```



```
1  const myObj = {  
2    string: 'some text',  
3    number: 3.14,  
4    boolean: true,  
5    object: {  
6      someKey: 'Some Value'  
7    },  
8    function: () => {  
9      console.log('this is a method')  
10   }  
11 }
```

# JSON



## JSON (JavaScript Object Notation)



```
1  const json = {  
2    "String": "someText",  
3    "Number": 3.14,  
4    "Boolean": true,  
5    "Null": null,  
6    "Object": {  
7      "someKey": "someValue"  
8    }  
9  }
```



# JSON vs JavaScript Objects

```

1  const json = {
2    "String": "someText",
3    "Number": 3.14,
4    "Boolean": true,
5    "Null": null,
6    "Object": {
7      "someKey": "someValue"
8    },
9    "Array": ["a", "b", "c"]
10 }
11
12 const myObj = {
13   string: 'some text',
14   number: 3.14,
15   boolean: true,
16   object: {
17     someKey: 'Some Value'
18   },
19   array: ['a', 'b', 'c'],
20   function: () => {
21     console.log('this is a method')
22   },
23   date: new Date(),
24   undefined: undefined
25 }

```

# String and String Templates





สามารถใช้ ' หรือ " ก็ได้ ในการกำหนดค่า String



```
1 const text = 'MakeWebBKK'  
2 const text2 = "LearnDevEasy"  
3  
4 console.log(text)    // MakeWebBKK  
5 console.log(text2)   // LearnDevEasy
```



```
1  const alphabets = 'ABCDEFGHIJKLMNOPQRSTUVWXYZ'
2
3  console.log(alphabets.length)           // 26
4  console.log(alphabets[0])               // 'A'
5  console.log(alphabets.slice(5))         // 'FGHIJKLMNOPQRSTUVWXYZ' (start)
6  console.log(alphabets.slice(0, 5))      // 'ABCDE' (start, end)
7  console.log(alphabets.substring(0, 5))  // 'ABCDE' (start, end)
8  console.log(alphabets.substr(0, 5))     // 'ABCDE' (start, length)
```





```
1  const alphabets = 'ABCDEFGHIJKLMNOPQRSTUVWXYZ'
2
3  console.log(alphabets.replace('ABCDE', '12345')) // '12345FGHIJKLMNOPQRSTUVWXYZ'
4  console.log(alphabets.toLowerCase()) // 'abcdefghijklmnopqrstuvwxyz'
5  console.log('  no space  '.trim()) // 'no space'
```



```
1 console.log(`just put it some text and ${variable} here`)
```



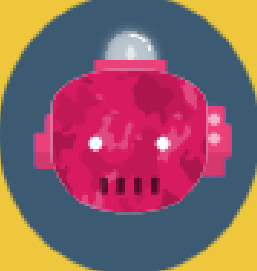
# Let's make a Simple Profile Card



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**Next, We will see about**  
**Numbers, Number Methods,**  
**Math and some mini project**



**SEE YOU SOON ...**