3/12/22, 7:55 PM OneNote

Function is an object

Thursday, March 10, 2022 3:30 PM

• In JavaScript a function is considered as an object of type 'function'

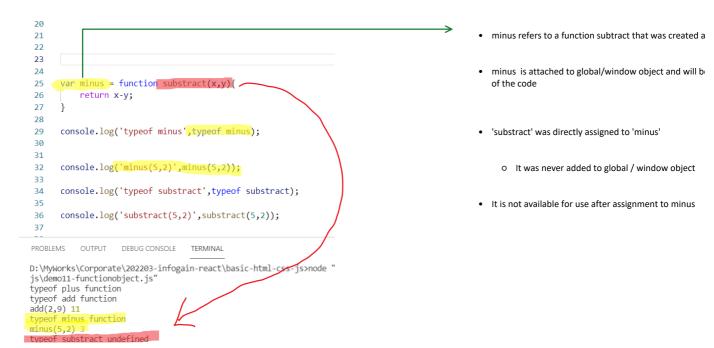
```
basic-js > JS demo11-functionobject.js > ...
                                           function plus(x,y){
                                                                  return x+y;
                                    console.log('typeof plus',typeof plus);
       10
    PROBLEMS OUTPUT DEBUG CONSOLE
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    js\demo11-functionobject.js
 D:\MyWorks\Corporate\202203-infogain-react\basic-html-css-js>
```

Function like any other type can be assigned to a variable

```
//function has a type of 'function'
console.log('typeof plus',typeof plus);
//function can be referred by a variable
var add = plus;
console.log('typeof add',typeof add);
//a variable referring to a function can be used as function parameter
console.log('add(2,9)',add(2,9));
```

• A variable referring to a function can be used as function

Creating a function and assigning it to variable at the same time



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Do we need the name 'substract'?

- Since it is not used anywhere we don't need the name substract in our code
- We can create an un-named or anonymous function

How do we write Javascript functions

Traditional Style

```
function plus(x,y){
    return x+y;
```

Functions are just like any other type

- They have their own name
- They can be assigned to variable
- They can be stored in an array
- They can be passed as an argument to another function

Anonymous Function Style

```
var minus = function (x,y){
   return x-y;
```

- Here reference minus can refer to any other function late
- PREFERRED SYNTAX!