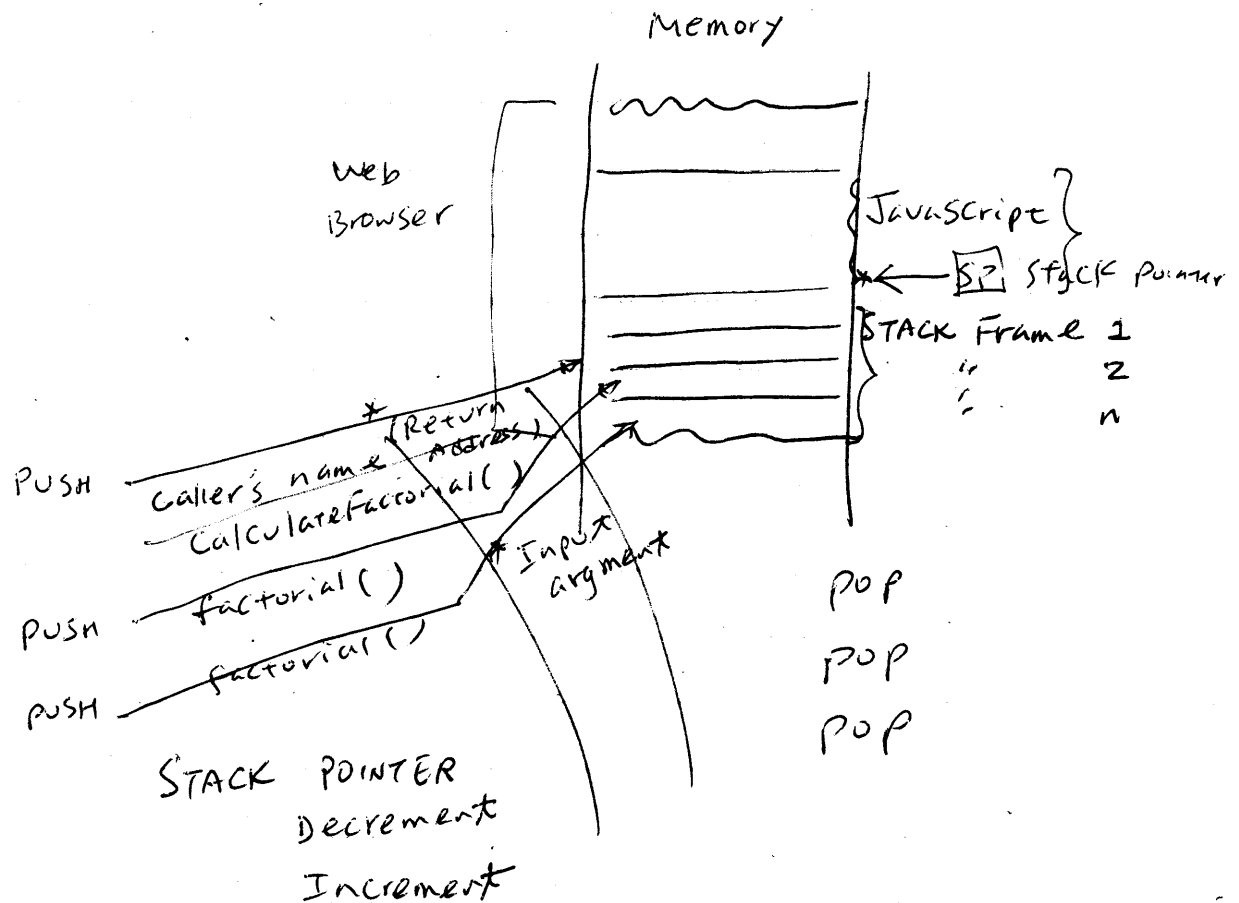


Web Systems

2012-10-16

①

```
function factorial ( n )  
{  
  if ( n <= 1 ) return 1;  
  else  
    return n * factorial ( n - 1 );  
}
```



Recursion

Iteration (Loop)

Execution Speed

Better

Overhead (Memory push, pop)

* Compiler program

* Interpreter program

IDE

②

- Data Structure
- Store data of the same types
- Access the array data

24 hours temperature

Size

○ 人 人

Integer type

✱ ✱ ✱

2 digit

✱.✱

1 digit

* float type.

* 1 hours /

1 sample/reading/hr.

— [0]

Q

1. [1]

4

•

2

- [23]

* Operations

- Initialization to 0s
- Random Access to any location for Read/Write

- **Sort** array in order

-Ascending order

Decending order

$$\rightarrow [\phi]$$

maxTemp

$\rightarrow [23]$

Min Temp

(3)

String

Arrays

"Monday", "Tuesday" - - -

AvgTemp of 24 hr (day)

$$\text{avg} = \frac{\text{tempArray}[0] + \text{tempArray}[1] + \dots + \text{tempArray}[23]}{n}$$

sum = 0;

for(n = 0; n <= 11; n++)

{

sum += tempArray[n];

}

avg = sum/n;

A

length
tempArray.length()

property of
Array
object.

Array Size