

nodeJS practice

October 20, 2017

1 Node JS

- An open-source, cross-platform runtime environment for server-side and networking applications
- written in javascript
- Node.js uses **Google V8 JavaScript engine** to execute
- case-sensitive language
- provides event driven architecture and non-blocking I/O
- Single threaded execution

```
In [1]: var name = "Udhay";
```

```
Out[1]: undefined
```

```
In [2]: console.log(name)
```

```
Udhay
```

```
Out[2]: undefined
```

```
In [4]: name[3]
```

```
Out[4]: 'a'
```

```
In [5]: name[0]
```

```
Out[5]: 'U'
```

```
In [6]: day = 3
```

```
Out[6]: 3
```

```
In [7]: var day = 'three'  
        console.log(day)
```

```
three
```

Out[7]: undefined

In [8]: lunch = "pizza"

Out[8]: 'pizza'

In [9]: console.log(lunch)

pizza

Out[9]: undefined

In [10]: console.log("lunch")

lunch

Out[10]: undefined

In [11]: console.log(4)

4

Out[11]: undefined

In [12]: var name = "Scott";
 name = "Allen";
 console.log(name)

Allen

Out[12]: undefined

In [13]: name = 7
 console.log(name)

7

Out[13]: undefined

In [14]: *// process*
 console.log(process.title)
 console.log(process.argv)

Administrator: C:\Windows\system32\cmd.exe - ijs
['C:\\Program Files\\nodejs\\node.exe']

Out[14]: undefined

```
In [17]: var data = process.argv[2]  //WORKS IN SCRIPT MODE
        console.log(data)

        var data1 = process.argv[0]
        console.log(data1)
```

undefined

C:\Program Files\nodejs\node.exe

Out[17]: undefined

```
In [18]: console.log("typeof 5 :"+ typeof 5)
        console.log("typeof data1 is", typeof data1)
```

typeof 5 :number

typeof data1 is string

Out[18]: undefined

```
In [19]: var type = typeof 5
        console.log(type)
```

number

Out[19]: undefined

```
In [21]: var numString = '345'
        console.log(numString)
        console.log(typeof numString)
```

345

string

Out[21]: undefined

```
In [22]: console.log(parseInt(numString))
        console.log(typeof parseInt(numString))
```

345

number

Out[22]: undefined

```
In [23]: console.log('-'*70)
```

NaN

Out[23]: undefined

```
In [24]: console.log(typeof console);  
         console.log(typeof console.log);
```

object
function

Out[24]: undefined

```
In [25]: var writeGreeting = function(){  
         var message = "hello!";  
  
         console.log(message);  
         console.log(message);  
       }
```

Out[25]: undefined

```
In [26]: writeGreeting()
```

hello!
hello!

Out[26]: undefined

```
In [27]: writeGreeting("Udhay")
```

hello!
hello!

Out[27]: undefined

```
In [29]: var writeGreeting = function(name){  
         var message = "hello!";  
  
         console.log(message+ ' '+name);  
         console.log(message);  
       }
```

Out[29]: undefined

```
In [30]: writeGreeting()
```

```
hello! undefined  
hello!
```

```
Out[30]: undefined
```

```
In [31]: writeGreeting("Udhay")  
         writeGreeting("Prakash")
```

```
hello! Udhay  
hello!  
hello! Prakash  
hello!
```

```
Out[31]: undefined
```

```
In [ ]:
```