Gretting Started

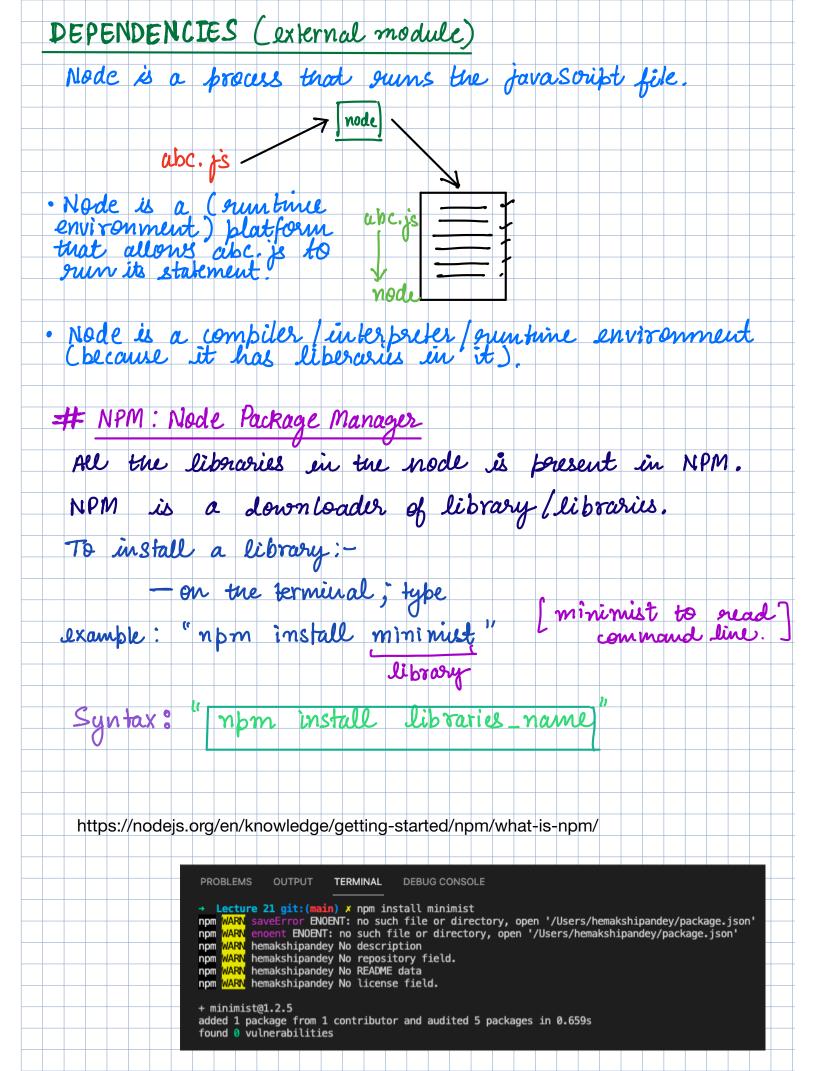
FUNCTIONS

https://www.w3schools.com/js/js_functions.asp

```
JS FirstFunction.js U X
Javascript > Lecture 21 > JS FirstFunction.js > ♥ IsPrime
      let clargs = process.argv;
  3 let n = parseInt(clargs[2]);
      for(let i = 2; i <= n; i++){
                                         // function is called

— Il function is created
       let isPrime = IsPrime(i);
        if(isPrime == true){
            console.log(i);
       function IsPrime(x){
           let isPrime = true;
       for(let div = 2; div * div \leq x; div++){
 15
           if(x % div == 0){
               isPrime = false;
               break:
       return isPrime;
            OUTPUT TERMINAL
PROBLEMS
                                DEBUG CONSOLE
  Lecture 21 git:(main) x node FirstFunction.js 20
2
5
7
11
13
17
```

ARRAYS JS FirstArray.js U X Javascript > Lecture 21 > JS FirstArray.js > ... node FirstArray. je 5 10 20 30 40 50 1. 3.4 5 6 7 let clargs = process.argv; number conversion let n = parseInt(clargs[2]); Array creation let arr = []; for(let i = 0; i < n; i++){ val variable is created and let val = parseInt(clargs[i + 3]); it will get the input
from you place
bushing the value
val in the array. arr.push(val); > or arr[i] = val for(let i = 0; i < arr.length; i++){</pre> console.log(arr[i]); console.log(arr); console.log(arr.length); PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE → Lecture 21 git:(main) x node FirstArray.js 5 10 20 30 40 50 10 20 30 40 50 [10, 20, 30, 40, 50] Single line array view Csimilar to array list • Lecture 21 git:(main) 🗴 🗌 https://www.w3schools.com/js/js_arrays.asp



```
include an installed library in javascript
 JS FirstModule.js U X
 Javascript > Lecture 21 > Js FirstModule.js > ...
         // npm install minimist
         let parser = require('minimist'); >> parser has minimist'; >> parser minimist';
    2
    4
         console.log(args);
    5
    6
         //node FirstModule.js -x 4 -y 10
  PROBLEMS
               OUTPUT
                           TERMINAL
                                        DEBUG CONSOLE
 → Lecture 21 git:(main) x node FirstModule.js -x 4 -y 10
   _: [
'/usr/local/bin/node',
'kshinandey
      '/Users/hemakshipandey/Desktop/Pepcoding-FJP1-Development/Java
   1,
   x: 4,
   y: 10
JS FirstModule.js U X
Javascript > Lecture 21 > Js FirstModule.js > ...
       let parser = require('minimist');
       let args = parser(process.argv);
       let name = args.name;
       let age = args.age;
       if(age > 30){
           console.log("Hello " + name + " . You must go home.");
 10
           console.log("Heya " + name + " . Where is the party tonight.");
 11
 12
 13
       //node FirstModule.js -x 4 -y
 16
       //node FirstModule.js --name="Hemakshi Pandey" --age=23
                                                                                  11 This represent
 17
                                                                                    args, name
                                                                                  and aras, age
                                                                                 respective
  PROBLEMS
             OUTPUT
                       TERMINAL
                                  DEBUG CONSOLE
 → Lecture 21 git:(main) x node FirstModule.js —name="Hemakshi Pandey" —age=23 Heya Hemakshi Pandey. Where is the party tonight.
 → Lecture 21 git:(mai
```

```
JS FirstModule.js U X
Javascript > Lecture 21 > JS FirstModule.js > ...
       let parser = require('minimist');
      let args = parser(process.argv);
  4
  5 \vee if(args.age > 30){
           console.log("Hello " + args.name + " . You must go home.");
  7 ∨ }else{
           console.log("Heya " + args.name + " . Where is the party tonightargs..");
 10
 11 ∨ //node FirstModule.js -x 4 -y
 12
      //node FirstModule.js --name="Hemakshi Pandey" --age=23
 13
 15
 PROBLEMS
             OUTPUT TERMINAL DEBUG CONSOLE
 → Lecture 21 git:(main) x node FirstModule.js —-name="Hemakshi Pandey" --age=23
Heya Hemakshi Pandey . Where is the party tonight.
 → Lecture 21 git:(main) x node FirstModule.js --name="Hemakshi Pandey" --age=35
Hello Hemakshi Pandey . You must go home.

→ Lecture 21 git:(main) x
  JS FirstModule.js U X
  Javascript > Lecture 21 > JS FirstModule.js > ...
         // npm install minimist
         let parser = require('minimist');
         let args = parser(process.argv);
         console.log(args);
         if(args.age > 30){
             console.log("Hello " + args.name + " . You must go home.");
         }else{
   10
             console.log("Heya " + args.name + " . Where is the party tonight.");
   11
   12
   13
         //node FirstModule.js -x 4 -y
        //node FirstModule.js --name="Hemakshi Pandey" --age=23
  PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
    Lecture 21 git:(main) x node FirstModule.js --name="Hemakshi Pandey" --age=23
     '/usr/local/bin/node',
     '/Users/hemakshipandey/Desktop/Pepcoding-FJP1-Development/Javascript/Lecture 21/FirstModule.js'
   name: 'Hemakshi Pandey',
   age: 23
 Heya Hemakshi Pandey . Where is the party tonight.
```

FILE MANIPULATION

```
JS FirstFiles.js U X = f1.txt
                                                                         create f1. tot
in the folder and
enter some text
Javascript > Lecture 21 > Js FirstFiles.js > ...
       // read a file capitalize every word, write the file
       let minimist = require("minimist");
        let args = minimist(process.argv);
       // node FirstFile.js --source=f1.txt --dest=f2.txt
       let fs = require("fs");
       let stext = fs.readFileSync(args.source, "utf-8");
       console.log(stext);
 10
PROBLEMS
                     TERMINAL
                                DEBUG CONSOLE
            OUTPUT
→ Lecture 21 git:(main) x node FirstFiles.js --source=f1.txt --dest=f2.txt
cricket is a great game.
it is also called gentlemen's game
it's origin came in england england recently lost to india
→ Lecture 21 git:(main) x
JS FirstFiles.js U X
                       ≡ f1.txt
Javascript > Lecture 21 > Js FirstFiles.js > ...
        // read a file capitalize every word, write the file
        let minimist = require("minimist");
        let args = minimist(process.argv);
        // node FirstFile.js --source=f1.txt --dest=f2.txt
        let fs = require("fs");
                                                             to convert in form
       let stext = fs.readFileSync(args.source, "utf-8");
 10
       //console.log(stext);
 11
        let words = stext.split(" "); ?
 12
       -console.log(words);
                                                                          >conversion
   Lecture 21 git:(main) x node FirstFiles.js --source=f1.txt --dest=f2.txt
   'cricket',
                'great'
   'game.\nit',
  'origin'
                'came',
'england\nengland',
```

```
JS FirstFiles.js U X ≡ f1.txt U
       Javascript > Lecture 21 > JS FirstFiles.js > ...
                // read a file capitalize every word, write the file
          3
                let minimist = require("minimist");
          4
                let args = minimist(process.argv);
                // node FirstFile.js --source=f1.txt --dest=f2.txt
                let fs = require("fs");
                let stext = fs.readFileSync(args.source, "utf-8");
                //console.log(stext);
         11
                let words = stext.split(" ");
         12
         13
                //console.log(words);
         14
         15 \vee for(let i = 0; i < words.length; i++){
                     words[i] = words[i].toUpperCase();
         17
         18
                let dtext = words.join(" "); } conversion of
         19
                console.log(dtext);
         21
        PROBLEMS
                                                 DEBUG CONSOLE
                       OUTPUT
                                   TERMINAL
        → Lecture 21 git: (main) x node FirstFiles.js --source=f1.txt --dest=f2.txt
        CRICKET IS A GREAT GAME.
        IT IS ALSO CALLED GENTLEMEN'S GAME
        IT'S ORIGIN CAME IN ENGLAND
        ENGLAND RECENTLY LOST TO INDIA
           Lecture 21 git:(main) x
JS FirstFiles.is U X
                                         > th □ ...
                                                      ≣ f1.txt U ×
                                                                                              ≣ f2.txt U ×
Javascript > Lecture 21 > Js FirstFiles.js > ...
                                                       Javascript > Lecture 21 > ≡ f1.txt
                                                                                              Javascript > Lecture 21 > ≡ f2.txt
                                                        1 cricket is a great game.
                                                                                               1 CRICKET IS A GREAT GAME.
                                                            it is also called gentlemen's game
                                                                                                   IT IS ALSO CALLED GENTLEMEN'S GAME
                                                           it's origin came in england
                                                                                                   IT'S ORIGIN CAME IN ENGLAND
                                                                                                  ENGLAND RECENTLY LOST TO INDIA
     let minimist = require("minimist");
                                                           england recently lost to india
     let args = minimist(process.argv);
    // args.source (f1.txt) and args.dest (f2.txt)
    let fs = require("fs");
    let stext = fs.readFileSync(args.source, "utf-8");
     let words = stext.split(" "); //string has split
 18 \vee for(let i = 0; i < words.length; i++){
       words[i] = words[i].toUpperCase();
     let dtext = words.join(" "); //array has join
     fs.writeFileSync(args.dest, dtext, "utf-8");
```

DEBUG CONSOLE