**set up git**

- `git --version`
- `git config --global user.name "my name"`
- `git config --global user.email <email address>`
- `git config --list`

## Node.js

what is node.js?

check node.js version: `node -v` check npm version: `npm -v`

**how to set up the github environment?**

open `git-test` file then type in the command

- `cd git-test`
- `npm init`
- `npm install lite-server --save-dev`

Then open the file called `package.json` add code below the `scripts` :in this manner "scriptes":{"start":"npm run lite","test":"echo\"Error: no test specified\" && exit 1","lite":"lite-server" }

Then add `npm start` in the command, the html file in the `git test` folder will open in the default browser.

**how to set** `.gitignore` **?**

- create a file in the sublime text called `.gitignore` under `git test` folder. The file code contains `node_modules`
- Then do the git commit
- `git init`
- `git add .`
- `git status` : check whether the file is uploaded in the git
- `git commit -m "yourwords"`
- `git remote add origin url`
- `git push origin master`

how to upload the entire folder?or keep the hierarchy of the folders?

- `cd folder_name`
- `git init`

why the uploaded folder cannot open? The reason is that the sub folder contains sub .git, which hide the files.

- delete the `.git`
- rename the sub folder name
- re-commit and push
- change the sub folder name back

how to download the git responsitory?

- `git clone <responsitory URL>`

how to deal with git push failure?

- `git pull --rebase origin master`
- `git push -u origin master`