САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО

Дисциплина: Бэк-энд разработка

Отчет

Практическая работа №1

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Ход работы:

1) Установка npm и node.js


```
[MacBook-Air-Andrej:~ odyvannnn$ brew install nvm
==> Auto-updated Homebrew!
Updated 1 tap (homebrew/core).
==> New Formulae
mapproxy
==> Updated Formulae
Updated 111 formulae.
==> Renamed Formulae
richmd -> rich-cli

Running `brew update --preinstall`...
Warning: nvm 0.39.1_1 is already installed and up-to-date.
To reinstall 0.39.1_1, run:
  brew reinstall nvm
```

```
[MacBook-Air-Andrej:~ odyvannnn$ nvm install node
Downloading and installing node v17.7.1...
Downloading https://nodejs.org/dist/v17.7.1/node-v17.7.1-darwin-arm64.tar.xz...
################################################################### 100,0%
Computing checksum with shasum -a 256
Checksums matched!
Now using node v17.7.1 (npm v8.5.2)
[MacBook-Air-Andrej:~ odyvannnn$ nvm install 16
v16.14.0 is already installed.
Now using node v16.14.0 (npm v8.3.1)
```

```
[MacBook-Air-Andrej:~ odyvannnn$ npm -v
8.3.1
[MacBook-Air-Andrej:~ odyvannnn$ node -v
v16.14.0
```

2) Инициализация npm пакета

```
[MacBook-Air-Andrej:~ odyvannnn$ npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.

See `npm help init` for definitive documentation on these fields
and exactly what they do.

Use `npm install <pkg>` afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.
[package name: (odyvannnn)
[version: (1.0.0)
[description:
[entry point: (index.js)
[test command:
[git repository:
[keywords:
[author:
[license: (ISC)
About to write to /Users/odyvannnn/package.json:

{
  "name": "odyvannnn",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC"
}


[Is this OK? (yes)
```

3) Установка express

```
[MacBook-Air-Andrej:~ odyvannnn$ npm install express

 added 50 packages, and audited 51 packages in 896ms

 2 packages are looking for funding
   run `npm fund` for details

 found 0 vulnerabilities
```

4) Удаление express / попытка его обновить

```
[MacBook-Air-Andrej:~ odyvannnn$ npm rm express

 removed 50 packages, and audited 1 package in 169ms

 found 0 vulnerabilities
```

```
[MacBook-Air-Andrej:~ odyvannnn$ npm update express -g

up to date, audited 212 packages in 632ms

11 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

5) Написание кастомной команды для npm, чтобы можно было удалить express командой "npm run rme"

```
[MacBook-Air-Andrej:~ odyvannnn$ npm set-script "rme" "npm uninstall express -g"
[MacBook-Air-Andrej:~ odyvannnn$ npm run rme

> odyvannnn@1.0.0 rme
> npm uninstall express -g

up to date, audited 1 package in 90ms

found 0 vulnerabilities
```