

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

Дисциплина: Бэк-энд разработка

Отчет

по домашней работе №1
«Знакомство со средой Node.JS,
пакетным менеджером npm»

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Задача

1. Установка npm (8.1.0), node.js (16.13.0)
2. Инициализация npm-пакета
3. Установка express
4. Удаление express/попытка его обновить
5. Написание кастомной команды для npm, чтобы можно удалить express командой "npm run rme"

Ход работы

1. Установка npm (8.1.0), node.js (16.13.0)

```
marinakireeva@MacBook-Pro-Marina ~ % node -v  
v18.14.2
```

```
marinakireeva@MacBook-Pro-Marina ~ % npm -v  
9.5.0
```

2. Инициализация npm-пакета

```
marinakireeva@MacBook-Pro-Marina ~ % 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: (marinakireeva)  
[version: (1.0.0)  
[description:  
[entry point: (index.js)  
[test command:  
[git repository:  
[keywords:  
[author:  
[license: (ISC)  
About to write to /Users/marinakireeva/package.json:  
  
{  
  "name": "marinakireeva",  
  "version": "1.0.0",  
  "description": "",  
  "main": "index.js",  
  "scripts": {  
    "test": "echo \"Error: no test specified\" && exit 1"  
  },  
  "author": "",  
  "license": "ISC"  
}
```

3. Установка express

```
marinakireeva@MacBook-Pro-Marina ~ % npm install express

added 57 packages, and audited 58 packages in 7s

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

found 0 vulnerabilities
```

4. Обновление express

```
marinakireeva@MacBook-Pro-Marina ~ % npm install express

added 57 packages, and audited 58 packages in 7s

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

found 0 vulnerabilities
marinakireeva@MacBook-Pro-Marina ~ % npm update express

up to date, audited 58 packages in 2s

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

found 0 vulnerabilities
```

5. Удаление express

```
marinakireeva@MacBook-Pro-Marina ~ % npm install express

added 57 packages, and audited 58 packages in 7s

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

found 0 vulnerabilities
marinakireeva@MacBook-Pro-Marina ~ % npm update express

up to date, audited 58 packages in 2s

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

found 0 vulnerabilities
marinakireeva@MacBook-Pro-Marina ~ % npm uninstall express

removed 57 packages, and audited 1 package in 227ms

found 0 vulnerabilities
```

6. Написание кастомной команды для npm, чтобы можно удалить express командой "npm run rme"

```
marinakireeva@MacBook-Pro-Marina ~ % npm install express
added 57 packages, and audited 58 packages in 2s

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

found 0 vulnerabilities
marinakireeva@MacBook-Pro-Marina ~ % npm run rme
> marinakireeva@1.0.0 rme
> npm uninstall express

removed 57 packages, and audited 1 package in 385ms

found 0 vulnerabilities

marinakireeva@MacBook-Pro-Marina ~ % cat /Users/marinakireeva/package.json
{
  "name": "marinakireeva",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \\\"Error: no test specified\\\" && exit 1",
    "rme": "npm uninstall express"
  },
  "author": "",
  "license": "ISC"
}
```

Вывод

В ходе работы были получены навыки работы со средой node.js и пакетным менеджером npm.