

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

Дисциплина: Бэк-энд разработка

Отчет

Практическая работа №1

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Группа:

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Проверил:

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Санкт-Петербург

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Цель работы:

Изучить работу NodeJs и npm.

Ход работы:

1. Установка npm и node.js

```
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ npm -v
8.19.2
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ █

MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ node -v
v18.12.1
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ █
```

2. Инициализация npm-пакета

```
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ 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: (homework_1)
version: (1.0.0)
description: Изучить работу NodeJs и npm.
entry point: (index.js)
test command:
git repository:
keywords:
author: Mamoudou
license: (ISC)

homework_1 > {} package.json > ...
1  {
2    "name": "homework_1",
3    "version": "1.0.0",
4    "description": "Изучить работу NodeJs и npm. ",
5    "main": "index.js",
6    "scripts": {
7      "test": "echo \"Error: no test specified\" && exit 1"
8    },
9    "author": "Mamoudou",
10   "license": "ISC"
11 }
12
```

3. Установка express

```
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ 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
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$
```

```
11   "dependencies": {
12     "express": "^4.18.2"
13   }
14 }
15
```

4. Удаление express / попытка его обновить

Для обновления:

```
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ npm update express
up to date, audited 58 packages in 1s

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

found 0 vulnerabilities
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$
```

Для удаления:

```
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ npm rm express
removed 57 packages, and audited 1 package in 888ms

found 0 vulnerabilities
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ npm update express
up to date, audited 1 package in 506ms

found 0 vulnerabilities
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ npm express -v
8.19.2
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$
```

5. Написание кастомной команды для npm, чтобы можно было удалить express командой “npm run rme”

```
Debugger
"scripts": {
  "test": "echo \"Error: no test specified\" && exit 1",
  "start": "node ./bin/www",
  "rme": "npm rm express"
},

MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$ npm run rme

> homework_1@1.0.0 rme
> npm rm express

up to date, audited 1 package in 520ms

found 0 vulnerabilities
MacBook-Air-de-Mamoudou:homework_1 mamoudoutraore$
```

Вывод:

В результате выполнения данной работы были установлены npm и node.js, инициализирован проект и создана костюмная команда.