

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

Дисциплина: Бэк-энд разработка

Отчет

Практическая работа №1

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1. Установка npm и node.js

```
Terminal: Local x + v
PS C:\Users\Windows\WebstormProjects\untitled5> npm install

up to date, audited 1 package in 398ms

found 0 vulnerabilities
PS C:\Users\Windows\WebstormProjects\untitled5> npm -v
8.1.4
PS C:\Users\Windows\WebstormProjects\untitled5> node -v
v16.13.1
PS C:\Users\Windows\WebstormProjects\untitled5>
```

2. Инициализация npm-пакета

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help untitled5 - package.json
untitled5 package.json
package.json
Terminal: Local x + v
git repository: https://github.com/kuriyumy/backend
author: kuriyumy
license: (ISC)
About to write to C:\Users\Windows\WebstormProjects\untitled5\package.json:

{
  "name": "test",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "kuriyumy",
  "license": "ISC",
  "repository": {
    "type": "git",
    "url": "git+https://github.com/kuriyumy/backend.git"
  },
  "bugs": {
    "url": "https://github.com/kuriyumy/backend/issues"
  },
  "homepage": "https://github.com/kuriyumy/backend#readme",
  "description": ""
}

Is this OK? (yes) y
PS C:\Users\Windows\WebstormProjects\untitled5>
```

```
Terminal: Local x + v
PS C:\Users\Windows\WebstormProjects\untitled5> npm adduser

npm notice Log in on https://registry.npmjs.org/
Username: kuriyumy
Password:
Email: (this IS public) kuriyumy@mail.ru
Enter one-time password from your authenticator app: 20669971
Logged in as kuriyumy on https://registry.npmjs.org/.
PS C:\Users\Windows\WebstormProjects\untitled5>
```

3. Установка express

```
Terminal: Local x + v
PS C:\Users\Windows\WebstormProjects\untitled5> npm install express --save

up to date, audited 51 packages in 836ms

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

found 0 vulnerabilities
```

4. Удаление express / попытка его обновить

```
Terminal: Local x + v
PS C:\Users\Windows\WebstormProjects\untitled5> npm rm express

removed 50 packages, and audited 1 package in 522ms

found 0 vulnerabilities
PS C:\Users\Windows\WebstormProjects\untitled5>
```

```
Administrator: Windows PowerShell
PS C:\Users\Windows\WebstormProjects\untitled5> npm-windows-upgrade
>>
npm-windows-upgrade v6.0.1
Which version do you want to install? 8.5.3
Checked system for npm installation:
According to PowerShell: C:\Program Files\nodejs
According to npm: C:\Users\Windows\AppData\Roaming\npm
Decided that npm is installed in C:\Program Files\nodejs
Upgrading npm... /

Upgrading npm (fallback method)... /

Upgrade finished. Your new npm version is 8.5.3. Have a nice day!
PS C:\Users\Windows\WebstormProjects\untitled5>
```

```
Terminal: Local x + v
PS C:\Users\Windows\WebstormProjects\untitled5> npm express -v
8.5.3
PS C:\Users\Windows\WebstormProjects\untitled5>
```

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

```
4     "main": "index.js",
5     "scripts": {
6       "test": "echo \"Error: no test specified\" && exit 1",
7       "rme": "npm rm express"
8     },
9     "keywords": [],
10    "author": "kuriyumy",
```

```
Terminal: Local x + v
PS C:\Users\Windows\WebstormProjects\untitled5> npm run rme

> test@1.0.0 rme
> npm rm express

removed 50 packages, and audited 1 package in 589ms

found 0 vulnerabilities
```