

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

Дисциплина: Бэк-энд разработка

Отчет

Практическая работа 1

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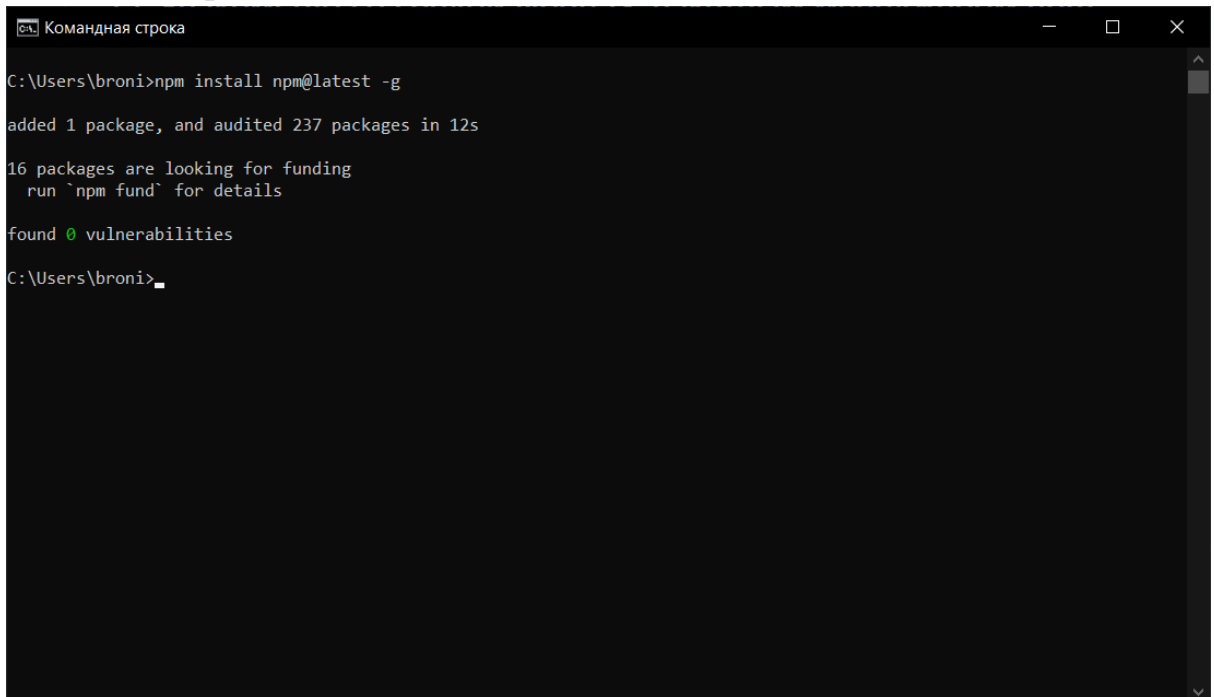
2023 г.

Задача

- Установка npm (8.1.0), node.js (16.13.0)
- Инициализация npm-пакета
- Установка express
- Удаление express/попытка его обновить
- Написание кастомной команды для npm, чтобы можно удалить express командой “npm run rmc”

Ход работы

1) Установил npm

A screenshot of a Windows Command Prompt window titled "Командная строка". The window shows the command "C:\Users\broni>npm install npm@latest -g" being executed. The output indicates that npm was successfully installed, with 1 package added and 237 packages audited in 12 seconds. It also mentions that 16 packages are looking for funding and that 0 vulnerabilities were found. The prompt ends with "C:\Users\broni>".

```
Командная строка

C:\Users\broni>npm install npm@latest -g

added 1 package, and audited 237 packages in 12s

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

found 0 vulnerabilities

C:\Users\broni>
```

2) Инициализация npm пакета

```
Командная строка
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: (broni)
version: (1.0.0)
description:
entry point: (index.js)
test command:
git repository:
keywords:
author:
license: (ISC)
About to write to C:\Users\broni\package.json:
{
  "name": "broni",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC"
}

Is this OK? (yes) yes
C:\Users\broni>
```

3) Установка express

```
Командная строка

C:\Users\broni>npm install express

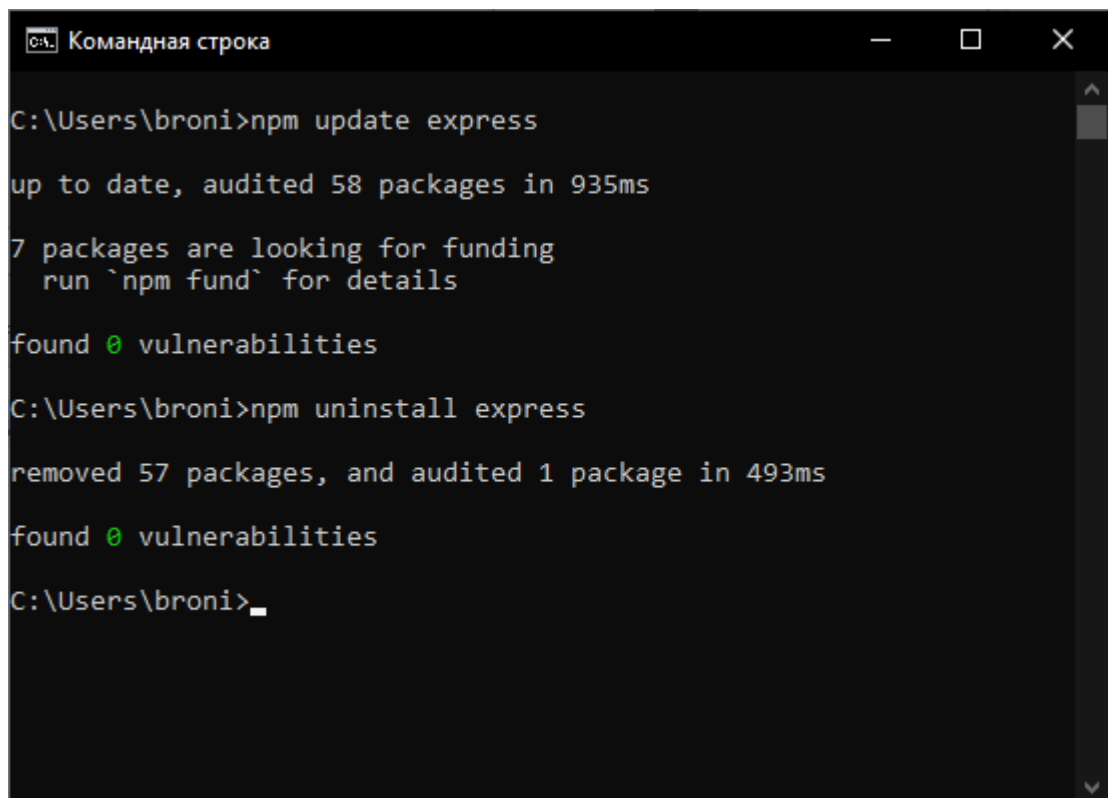
added 57 packages, and audited 58 packages in 3s

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

found 0 vulnerabilities

C:\Users\broni>
```

4) Попытка обновления express и удаление его

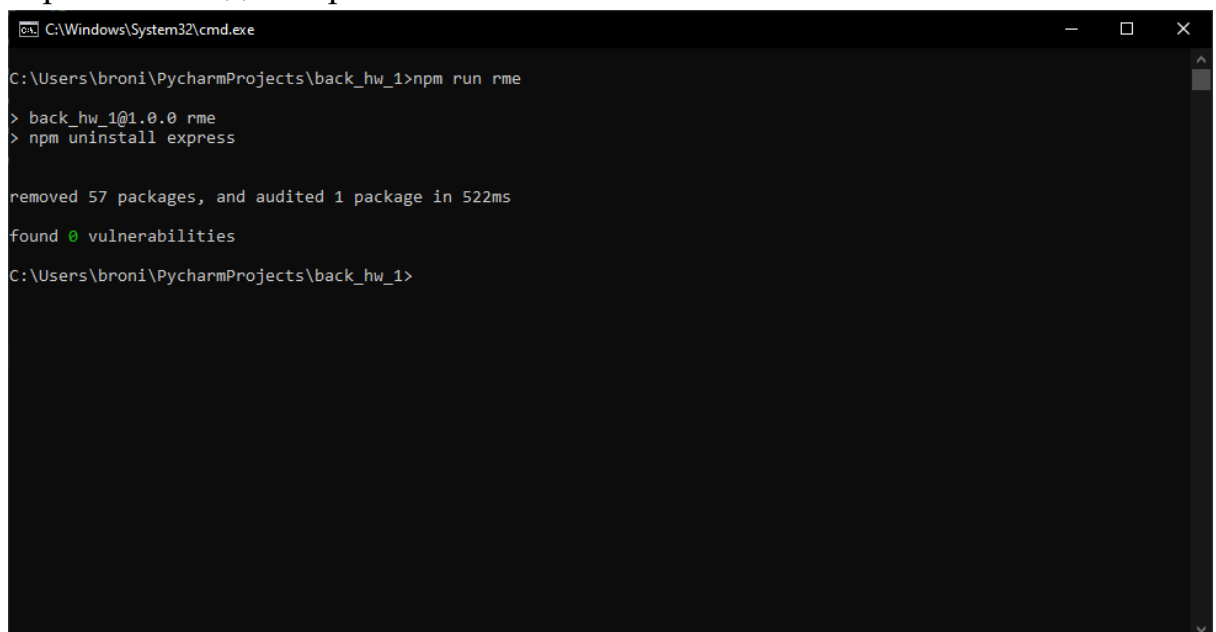


```
C:\Users\broni>npm update express
up to date, audited 58 packages in 935ms
7 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities

C:\Users\broni>npm uninstall express
removed 57 packages, and audited 1 package in 493ms
found 0 vulnerabilities

C:\Users\broni>
```

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



```
C:\Users\broni\PycharmProjects\back_hw_1>npm run rme
> back_hw_1@1.0.0 rme
> npm uninstall express

removed 57 packages, and audited 1 package in 522ms
found 0 vulnerabilities

C:\Users\broni\PycharmProjects\back_hw_1>
```



The image shows a code editor window with a tab labeled "package.json". The code is a JSON object with the following structure:

```
1 {  
2   "name": "back_hw_1",  
3   "version": "1.0.0",  
4   "description": "",  
5   "main": "index.js",  
6   "scripts": {  
7     "test": "echo \"Error: no test specified\" && exit 1",  
8     "rme": "npm uninstall express"  
9   },  
10  "keywords": [],  
11  "author": "",  
12  "license": "ISC"  
13 }  
14 |
```

Line 13 shows a closing curly brace "}" followed by a closing curly brace "}" and a comma ",", which is a syntax error in JSON. The cursor is on line 14.

Вывод

Вывод по работе