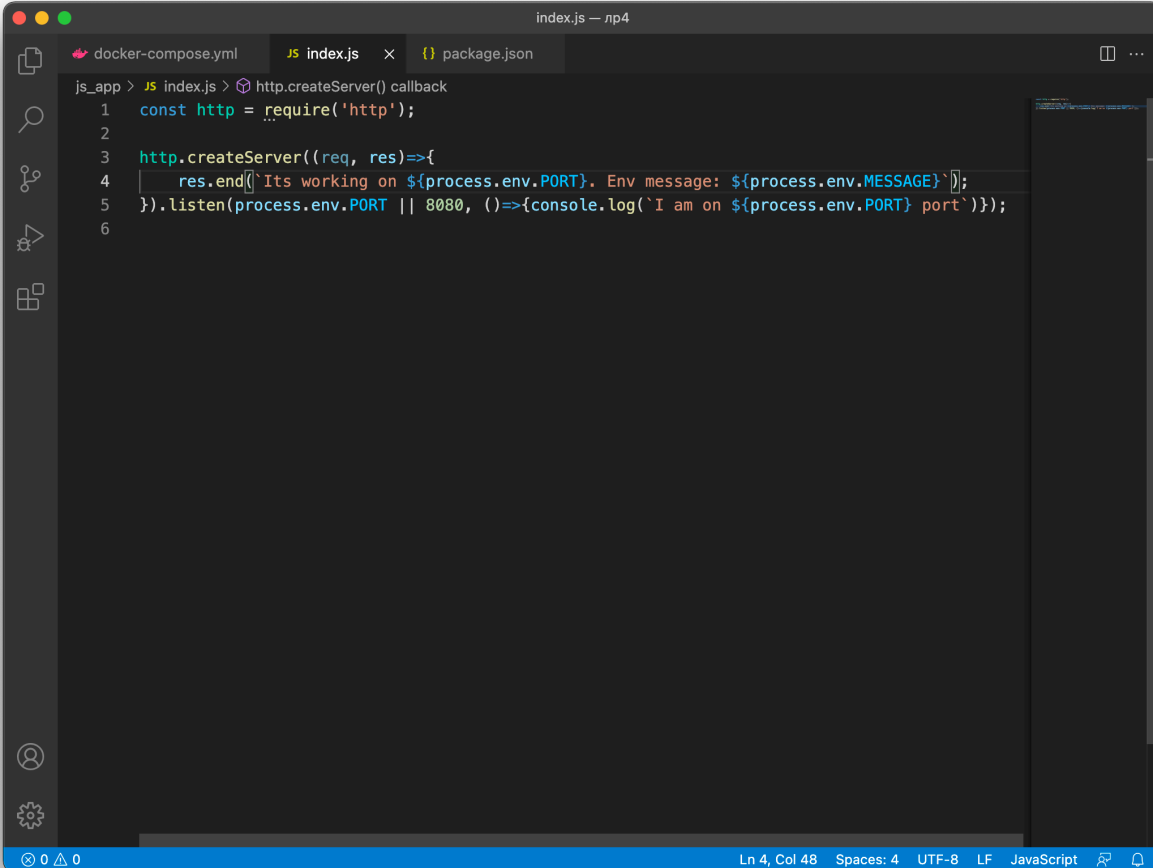


# Лабораторная работа 4

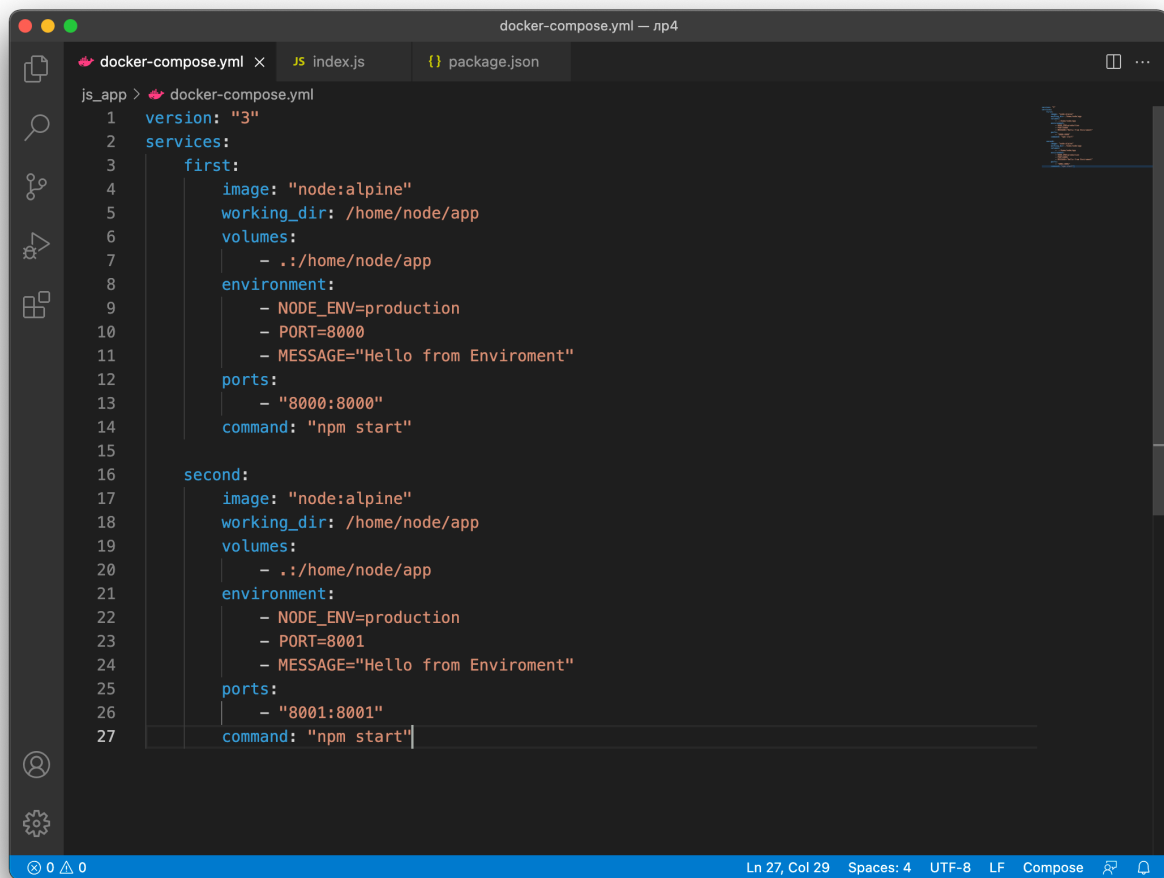
Подготавливаем приложение



```
index.js — лр4
docker-compose.yml  JS index.js  {} package.json
js_app > JS index.js > http.createServer() callback
1  const http = require('http');
2
3  http.createServer((req, res)=>{
4    res.end(`Its working on ${process.env.PORT}. Env message: ${process.env.MESSAGE}`);
5  }).listen(process.env.PORT || 8080, ()=>{console.log(`I am on ${process.env.PORT} port`)});
6
```

Ln 4, Col 48 Spaces: 4 UTF-8 LF JavaScript

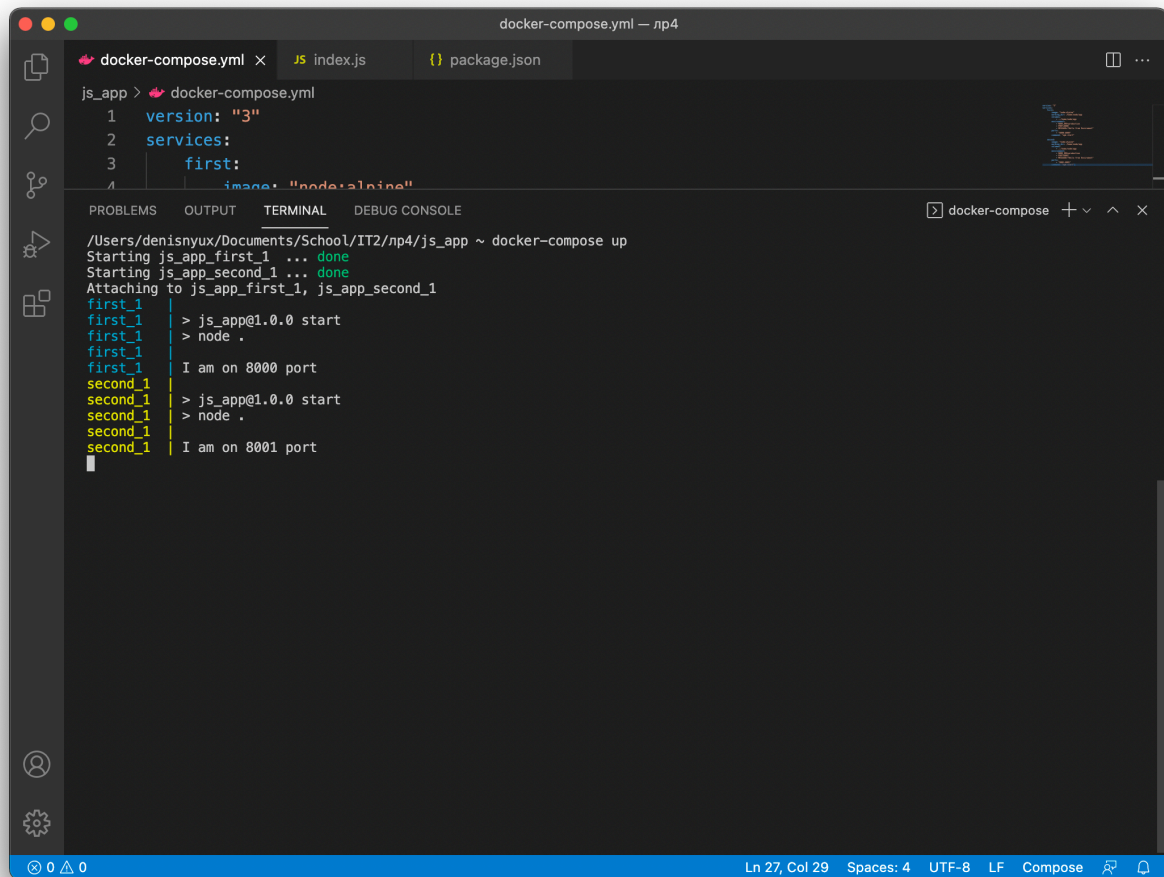
Создаем docker-compose.yml



```
js_app > docker-compose.yml
1  version: "3"
2  services:
3    first:
4      image: "node:alpine"
5      working_dir: /home/node/app
6      volumes:
7        - ./home/node/app
8      environment:
9        - NODE_ENV=production
10       - PORT=8000
11       - MESSAGE="Hello from Enviroment"
12     ports:
13       - "8000:8000"
14     command: "npm start"
15
16   second:
17     image: "node:alpine"
18     working_dir: /home/node/app
19     volumes:
20       - ./home/node/app
21     environment:
22       - NODE_ENV=production
23       - PORT=8001
24       - MESSAGE="Hello from Enviroment"
25     ports:
26       - "8001:8001"
27     command: "npm start"
```

The screenshot shows a code editor window titled "docker-compose.yml — лр4". The editor has three tabs: "docker-compose.yml", "index.js", and "package.json". The "docker-compose.yml" tab is active, showing a YAML configuration for two Docker services. The "first" service uses the "node:alpine" image, sets the working directory to "/home/node/app", mounts the local directory "home/node/app", and runs "npm start" on port 8000. The "second" service also uses "node:alpine", sets the working directory to "/home/node/app", mounts the local directory "home/node/app", and runs "npm start" on port 8001. Both services have an environment with "NODE\_ENV=production" and a custom message. The status bar at the bottom indicates "Ln 27, Col 29", "Spaces: 4", "UTF-8", "LF", and "Compose".

Запускаем командой docker-compose up



The screenshot shows a Visual Studio Code editor window with the title "docker-compose.yml — np4". The editor has three tabs: "docker-compose.yml", "index.js", and "package.json". The "docker-compose.yml" tab is active, showing the following content:

```
1 version: "3"
2 services:
3   first:
4     image: "node:alpine"
```

Below the editor, the "TERMINAL" panel is open, showing the output of the command `docker-compose up`. The output indicates that two services, `js_app_first_1` and `js_app_second_1`, were started successfully. The terminal also shows the command prompt `> js_app@1.0.0 start` and `> node .` being executed in both containers, with the first container reporting "I am on 8000 port" and the second container reporting "I am on 8001 port".

```
/Users/denisnyux/Documents/School/IT2/np4/js_app ~ docker-compose up
Starting js_app_first_1 ... done
Starting js_app_second_1 ... done
Attaching to js_app_first_1, js_app_second_1
first_1
first_1      > js_app@1.0.0 start
first_1      > node .
first_1      I am on 8000 port
second_1
second_1     > js_app@1.0.0 start
second_1     > node .
second_1     I am on 8001 port
```

The status bar at the bottom of the window shows "Ln 27, Col 29", "Spaces: 4", "UTF-8", "LF", and "Compose".

Проверяем работоспособность в браузере

