

Модульность в экосистеме JavaScript

Цель: освоить основные операции по сборке проекта с помощью webpack.

1. Добавление webpack и webpack-cli

```
Командная строка

C:\Users\Fyodor\Desktop\kp_tasks\lab2>yarn add -D webpack webpack-cli
yarn add v1.22.10
info No lockfile found.
[1/4] Resolving packages...
[2/4] Fetching packages...
[3/4] Linking dependencies...
[4/4] Building fresh packages...

success Saved lockfile.
success Saved 104 new dependencies.
info Direct dependencies
├─ webpack-cli@4.5.0
└─ webpack@5.24.3
info All dependencies
├─ @discoveryjs/json-ext@0.5.2
├─ @types/eslint-scope@3.7.0
├─ @types/eslint@7.2.6
├─ @types/json-schema@7.0.7
├─ @types/node@14.14.31
├─ @webassemblyjs/floating-point-hex-parser@1.11.0
├─ @webassemblyjs/helper-numbers@1.11.0
├─ @webassemblyjs/helper-wasm-section@1.11.0
└─ @webassemblyjs/wasm-edit@1.11.0
```

2. Добавление библиотеки moment

```
Командная строка

├─ webpack@5.24.3
├─ which@2.0.2
├─ wildcard@2.0.0
└─ yocto-queue@0.1.0
Done in 6.54s.

C:\Users\Fyodor\Desktop\kp_tasks\lab2>yarn add moment
yarn add v1.22.10
warning package.json: No license field
warning No license field
[1/4] Resolving packages...
[2/4] Fetching packages...
[3/4] Linking dependencies...
[4/4] Building fresh packages...
success Saved lockfile.
warning No license field
success Saved 1 new dependency.
info Direct dependencies
├─ moment@2.29.1
info All dependencies
├─ moment@2.29.1
Done in 1.63s.

C:\Users\Fyodor\Desktop\kp_tasks\lab2>
```

Содержимое файла package.json

```
{  
  "devDependencies": {  
    "webpack": "^5.24.3",  
    "webpack-cli": "^4.5.0"  
  },  
  "dependencies": {  
    "moment": "^2.29.1"  
  }  
}
```

3. Создание файла index.js

```
import moment from 'moment';  
const t = moment().format('DD/MM/YYYY HH:mm');  
document.body.innerHTML = `<h1>Сейчас ${t}</h1>`;   
document.body.innerHTML += `<h2>${top.location.href}</h2>`;
```

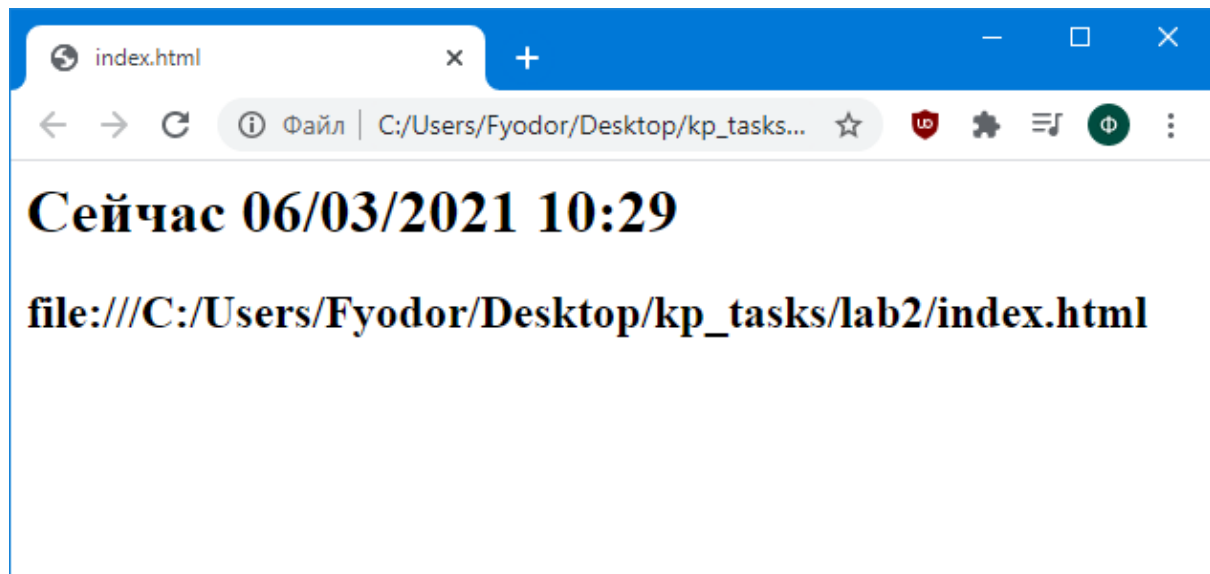
4. Сборка проекта

```
Командная строка  
C:\Users\Fyodor\Desktop\kp_tasks\lab2>code index.js  
  
C:\Users\Fyodor\Desktop\kp_tasks\lab2>yarn webpack . -o ./bundle.js  
yarn run v1.22.10  
warning package.json: No license field  
$ C:\Users\Fyodor\Desktop\kp_tasks\lab2\node_modules\.bin\webpack . -o ./bundle.js  
asset main.js 290 KiB [emitted] [minimized] [big] (name: main) 1 related asset  
runtime modules 786 bytes 4 modules  
modules by path ./node_modules/moment/locale/*.js 499 KiB 135 modules  
./index.js 194 bytes [built] [code generated]  
./node_modules/moment/moment.js 170 KiB [built] [code generated]  
./node_modules/moment/locale/ sync ^\.\./*$ 3.21 KiB [optional] [built] [code generated]  
  
WARNING in configuration  
The 'mode' option has not been set, webpack will fallback to 'production' for this value.  
Set 'mode' option to 'development' or 'production' to enable defaults for each environment.  
You can also set it to 'none' to disable any default behavior. Learn more: https://webpack.js.org/configuration/mode/  
  
WARNING in asset size limit: The following asset(s) exceed the recommended size limit (244 KiB).
```

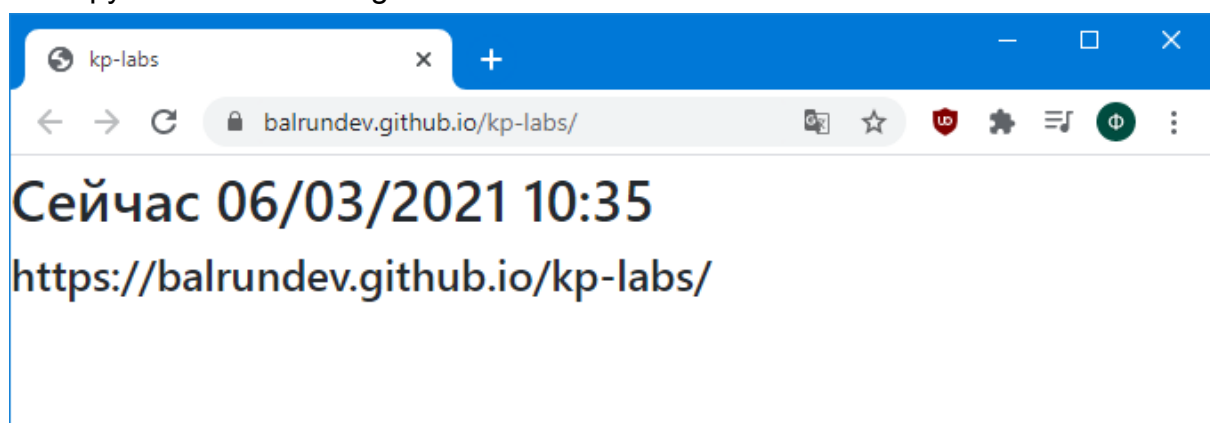
5. Создание файла index.html

```
<html>
  <head>
    <meta charset="utf-8">
  </head>
  <body>
    <script src="./bundle.js"></script>
  </body>
</html>
```

6. Выполнение сценария



7. Загрузка на GitHub Pages



Репозиторий находится по адресу: <https://github.com/balrundev/kp-labs>

Страница доступна по следующей ссылке: <https://balrundev.github.io/kp-labs/>

Вывод: в ходе работы были освоены основные операции по сборке проекта с помощью webpack.