

ID: 201801434

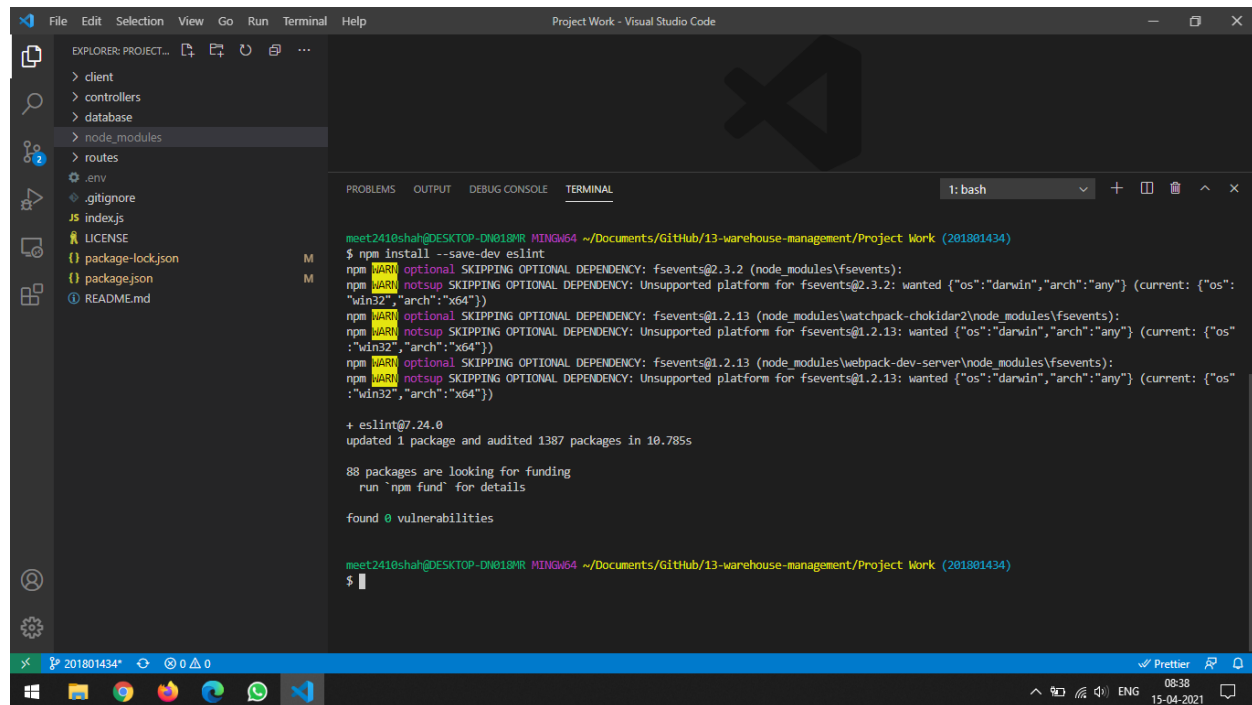
Name: Meet Shah

Topic: Static Analysis Tool (ESLint) (Language: JavaScript)

## REFERENCE:

<https://www.youtube.com/watch?v=hppJw2REb8g>

## STEP 1: Installation of ESLint

A screenshot of the Visual Studio Code interface. The Explorer panel on the left shows a project structure with folders like 'client', 'controllers', 'database', 'node\_modules', and 'routes'. The Terminal panel at the bottom shows the output of the command 'npm install --save-dev eslint'. The output includes several warnings about optional dependencies and a message indicating that ESLint 7.24.0 was successfully installed. The status bar at the bottom shows the file encoding as UTF-8 and the language as JavaScript.

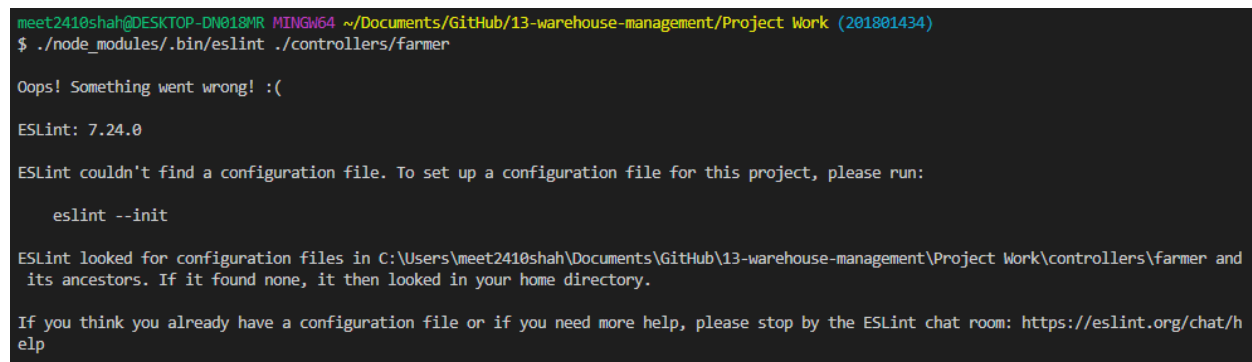
```
meet2410shah@DESKTOP-DN018MR MINGW64 ~/Documents/GitHub/13-warehouse-management/Project Work (201801434)
$ npm install --save-dev eslint
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\watchpack-chokidar2\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ eslint@7.24.0
updated 1 package and audited 1387 packages in 10.785s

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

found 0 vulnerabilities

meet2410shah@DESKTOP-DN018MR MINGW64 ~/Documents/GitHub/13-warehouse-management/Project Work (201801434)
$
```

A screenshot of the Visual Studio Code terminal showing the output of the command './node\_modules/.bin/eslint ./controllers/farmer'. The output shows an error message: 'Oops! Something went wrong! :( ESLint: 7.24.0 ESLint couldn't find a configuration file. To set up a configuration file for this project, please run: eslint --init'. It also shows the paths ESLint looked for configuration files and a link to the ESLint chat room for help.

```
meet2410shah@DESKTOP-DN018MR MINGW64 ~/Documents/GitHub/13-warehouse-management/Project Work (201801434)
$ ./node_modules/.bin/eslint ./controllers/farmer

Oops! Something went wrong! :(

ESLint: 7.24.0

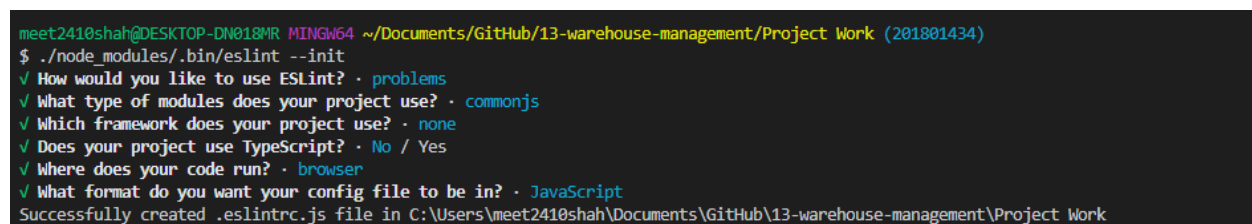
ESLint couldn't find a configuration file. To set up a configuration file for this project, please run:

    eslint --init

ESLint looked for configuration files in C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\farmer and its ancestors. If it found none, it then looked in your home directory.

If you think you already have a configuration file or if you need more help, please stop by the ESLint chat room: https://eslint.org/chat/help
```

## STEP 02: Initialization of ESLint

A screenshot of the Visual Studio Code terminal showing the output of the command './node\_modules/.bin/eslint --init'. The output shows a series of prompts and user responses for initializing ESLint: 'How would you like to use ESLint?' (problems), 'What type of modules does your project use?' (commonjs), 'Which framework does your project use?' (none), 'Does your project use TypeScript?' (No / Yes), 'Where does your code run?' (browser), and 'What format do you want your config file to be in?' (JavaScript). The final message states that the '.eslintrc.js' file has been successfully created in the project directory.

```
meet2410shah@DESKTOP-DN018MR MINGW64 ~/Documents/GitHub/13-warehouse-management/Project Work (201801434)
$ ./node_modules/.bin/eslint --init
✓ How would you like to use ESLint? · problems
✓ What type of modules does your project use? · commonjs
✓ Which framework does your project use? · none
✓ Does your project use TypeScript? · No / Yes
✓ Where does your code run? · browser
✓ What format do you want your config file to be in? · JavaScript
Successfully created .eslintrc.js file in C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work
```

### STEP 03: Run ESLint to check the errors

```
meet2410shah@DESKTOP-DN018MR MINGW64 ~/Documents/GitHub/13-warehouse-management/Project Work (201801434)
$ ./node_modules/.bin/eslint ./controllers/farmer

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\farmer\addCrop.js
  21:28  error  'process' is not defined  no-undef

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\farmer\callback.js
   8:35  error  'next' is defined but never used  no-unused-vars
  13:3   error  'console' is not defined          no-undef
  14:3   error  'body' is assigned a value but never used  no-unused-vars

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\farmer\getCrops.js
  20:34  error  'process' is not defined  no-undef

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\farmer\getProfile.js
  20:34  error  'process' is not defined  no-undef

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\farmer\login.js
   50:3  error  'process' is not defined  no-undef

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\farmer\paynow.js
   1:7   error  'https' is assigned a value but never used  no-unused-vars
   6:14  error  'process' is not defined                    no-undef
   7:17  error  'process' is not defined                    no-undef
   9:44  error  'next' is defined but never used            no-unused-vars

✖11 problems (11 errors, 0 warnings)
```

```
meet2410shah@DESKTOP-DN018MR MINGW64 ~/Documents/GitHub/13-warehouse-management/Project Work (201801434)
$ ./node_modules/.bin/eslint ./controllers/admin

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\admin\addStaff.js
   1:9   error  'all' is assigned a value but never used  no-unused-vars
   2:7   error  '_' is assigned a value but never used    no-unused-vars

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\admin\addWarehouse.js
   1:9   error  'all' is assigned a value but never used  no-unused-vars
   2:7   error  '_' is assigned a value but never used    no-unused-vars

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\admin\getProfile.js
   1:9   error  'func' is assigned a value but never used  no-unused-vars
  7:41  error  'error' is defined but never used          no-unused-vars

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\admin\getWarehouse.js
   3:9   error  '_filter' is assigned a value but never used  no-unused-vars
   4:7   error  '_' is assigned a value but never used        no-unused-vars

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\admin\getWarehouseById.js
   1:7   error  '_' is assigned a value but never used  no-unused-vars

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\admin\listFarmerByWid.js
   1:7   error  '_' is assigned a value but never used  no-unused-vars

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\admin\listStaffByWid.js
   1:7   error  '_' is assigned a value but never used  no-unused-vars

✖11 problems (11 errors, 0 warnings)
```

```
meet2410shah@DESKTOP-DN018MR MINGW64 ~/Documents/GitHub/13-warehouse-management/Project Work (201801434)
$ ./node_modules/.bin/eslint ./controllers/supervisor

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\supervisor\editProfile.js
  10:15  error  'checkCookie' is not defined      no-undef
  25:3   error  'mainUser' is assigned a value but never used  no-unused-vars
  58:21  error  'bcrypt' is not defined           no-undef
  59:24  error  'bcrypt' is not defined           no-undef

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\supervisor\farmerList.js
  29:3   error  'tCrop' is not defined           no-undef
  34:5   error  'tCrop' is not defined           no-undef
  34:13  error  'tCrop' is not defined           no-undef
  41:22  error  'tCrop' is not defined           no-undef

C:\Users\meet2410shah\Documents\GitHub\13-warehouse-management\Project Work\controllers\supervisor\getProfile.js
   8:15  error  'checkCookie' is not defined      no-undef

✖ 9 problems (9 errors, 0 warnings)
```