

**Building and Deployment: NPM Scripts**

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## Exercise (Instructions): NPM Scripts Part 1

### Objectives and Outcomes

In this exercise, you will learn to set up NPM scripts by modifying the `package.json` file. At the end of this exercise, you will be able to:

- Watch for changes to the `styles.scss` file and automatically compile it to the `css` file.
- Run multiple NPM scripts in parallel using `parallelshell` NPM module.

### Moving JS to Script file

- Create a folder named `js` and in that folder create a file named `scripts.js`.
- Open `index.html` and from this file cut out all the JQuery script that we added to it and move the code to the `scripts.js` file that we created above.
- Then, update the `index.html` file to include the `scripts.js` file by adding the following line:

```
1 <script src="js/scripts.js"></script>
```

- Add the same line to the scripts block in `aboutus.html` and `contactus.html`.

### Watching for Changes and Parallelshell

- Then, add the following two script items to `package.json` if you are doing the exercise on a MacOS computer or a Linux computer:

```
1 "watch:scss": "onchange 'css/*.scss' -- npm run scss",
2 "watch:all": "parallelshell 'npm run watch:scss' 'npm run lite'"
```

- **NOTE:** If you are doing the exercise on a Windows computer, please use the following two script items instead of the above:

```
1 "watch:scss": "onchange \"css/*.scss\" -- npm run scss",
2 "watch:all": "parallelshell \"npm run watch:scss\" \"npm run lite\""
```

- You will also update the start script as follows:

```
1 "start": "npm run watch:all",
```

- Then, type the following at the prompt to start watching for changes to the SCSS file, compile it to CSS, and run the server:

```
1 npm start
```

### Conclusions

In this exercise, you learnt how to set up a watch task to watch for changes to a file and automatically run tasks upon detecting changes.

 Complete

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