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# Exercise (Instructions): Gulp Part 1

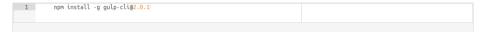
### Objectives and Outcomes

In this exercise, you will learn to use Gulp, the task runner. You will install Gulp CLI and install Gulp plugins using NPM. Thereafter you will configure a Gulp file with a set of tasks to build and serve your web project. At the end of this exercise, you will be able to:

- Install Gulp CLI and Gulp plugins in your project
- Configure a Gulp file with a set of tasks to build a web project from a source, and serve the built project using a server.

#### Installing Gulp

• At the command prompt, type the following to install Gulp command-line interface (CLI) globally:



This will install the Gulp globally so that you can use it in all projects.

• Next install Gulp to use within your project. To do this, go to the conFusion folder and type the following at the prompt:

```
1 npm install gulp@3.9.1 --save-dev
```

This will install local per-project Gulp to use within your project.

Install Gulp Plugins for SASS and Browser-Sync

· Install all the Gulp plugins that you will need for this exercise. To do this, type the following at the command prompt:

```
1 npm install gulp-sass@3.1.0 browser-sync@2.23.6 --save-dev
```

### Creating a Gulp File

 Next you need to create a Gulp file containing the tasks to be run when you use Gulp. To do this, create a file named gulpfile.js in the conFusion folder.

#### Loading Gulp Plugins

• Load in all the Gulp plugins by including the following code in the Gulp file:

```
1 'use strict';
2 var gulp = require('gulp'),
4 sass = require('gulp-sass'),
5 browserSvnc = require('browser-svnc');
```

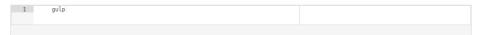
Adding Gulp Tasks for SASS and Browser-Sync

Next, we will add the code for the SASS task, the Browser-Sync task and the default task as follows:

Save the Guip file

# Running the Gulp Tasks

- At the command prompt, if you type  $\mathit{gulp}$  it will run the default task:



• Do a Git commit with the message "Gulp Part 1".

# Conclusions

In this exercise, you learnt to use Gulp, install Gulp plugins, configure the gulpfile.js and then use Gulp to automate the web development tasks.

Mark as completed

