**1.** Make sure if **Node.js** is installed on your machine. You can check it by running the following command on Git Bash or Command Prompt

node --version

If not installed, install from link mentioned below

https://nodejs.org/en/

**2.**Install the gulp command line utility

npm install --global gulp-cli

**3**.Go in your respective **Project folder**

Open **Git Bash** and run the following command:

npm init

After running this command keep on entering until : "Is this OK? (yes)"

This command creates a **package.json** file in your **Project folder**.

**4**.Now install **Gulp** into the project by running the following command

npm install gulp --save-dev

once installed, check it by running the following command

gulp --version

Now if you check the **Project folder** when the command has finished executing, you should see that Gulp has created a **node\_modules folder**.

**5**.Create a **gulpfile.js**, which stores all Gulp configurations.

and start with by declaring a variable in gulpfile.js

var gulp = require('gulp');

**6**.To **concatenate and minify** multiple CSS files into one CSS file

To minify and concat the CSS files, we need to add the gulp-clean-css and gulp-concat file by running the following commands in Git Bash or Command Prompt

npm install --save-dev gulp-clean-css

npm install --save-dev gulp-concat

Now declare 2 variables in **gulpfile.js**

var concat = require('gulp-concat');

var cleanCSS = require('gulp-clean-css');

Add following task in **gulpfile.js** to concat and minify the CSS

gulp.task('concatCss', function () {

return gulp.src([

//add all the CSS which you want to concat into one CSS, as per your folder structure in the order you want

'css/slick.css',

'css/animate.css',

'css/style.css'

])

//name the CSS file name whatever you want (in this case I've saved it by all.css)

.pipe(concat('all.css'))

//this will minify your CSS

.pipe(cleanCSS({

compatibility: 'ie8'

}))

//add the destination folder name here where you want to save your file(in this case I've saved in dist folder)

.pipe(gulp.dest('dist'));

});

Now run the following command:

gulp concatJs

Now If you will check dist folder, all.js will be generated

**7**.To concatenate multiple JS files into one JS file

To minify and concat the JS files, we need to add the gulp-uglify and gulp-concat file by running the following commands in Git Bash or Command Prompt

npm install --save-dev gulp-uglify

npm install --save-dev gulp-watch

Now declare 2 variables in gulpfile.js

var concat = require('gulp-concat');

var uglify = require('gulp-uglify');

Add following task in gulpfile.js to concat and minify the JS

gulp.task('concatJs', function () {

return gulp.src([

//add all the JS which you want to concat into one JS, as per your folder structure in the order you want

'js/jquery.min.js',

'js/slick.js',

'js/wow.min.js',

'js/validation.js',

'js/main.js'

])

//name the js file name whatever you want (in this case I've saved it by all.css)

.pipe(concat('all.js'))

//this will minify your JS

.pipe(uglify())

//add the destination folder name here where you want to save your file(in this case I've saved in dist folder)

.pipe(gulp.dest('dist'));

});

Now run the following command:

gulp concatJs

Now If you will check dist folder, all.js will be generated

**8**. To watch all the CSS and JS files and on save of it reload the Browser

For Browser Sync, we need to add the browser-sync file by running the following commands in Git Bash or Command Prompt

npm install browser-sync --save-dev

decalare a variable in gulpfile.js

var browserSync = require('browser-sync').create();

Add following task in gulpfile.js to watch all the CSS and JS files and on save of it reload the Browser

gulp.task('watch', function () {

browserSync.init({

// You can tell browserSync to use this directory and serve it as a mini-server

server: {

baseDir: "./"

}

// If you are already serving your website locally using something like apache

// You can use the proxy setting to proxy that instead

// proxy: "yourlocal.dev"

});

gulp.watch('css/\*.css', gulp.series('concatCss'));

gulp.watch('js/\*.js', gulp.series('concatJs'));

})