

## Things to note

The server.js is written in node js and uses the http and ws modules. So, to run the server you will need to have nodejs, http module and ws module on your machine.

## Setting up the nodejs

Downloading node js is easy. Go to the website: <https://nodejs.org/en/download/> and there you will see all the versions of the nodejs available. You can use their installers for windows or mac for easy download or you can pick up a specific version of the nodejs and download that. To confirm that you have downloaded the nodejs you can type the following command in the terminal or the command prompt of your machine:

```
node -v
```

http module comes in built with the nodejs so you don't need to do anything for this module.

The ws module does not come with the nodejs. I will upload the ws module along with other files in d2l so that you won't need to do anything. But if an error comes up saying that ws module not found then you can download it using the npm. npm should be automatically installed when you are installing nodejs. To know if npm is installed in your machine you can type the following command in the terminal or the command prompt of your machine:

```
npm -v
```

After confirming that you have npm installed on your machine you can use it to download the ws module on your machine. **IMPORTANT:** ws module should be downloaded in the same folder as the server.js file. So open the folder that contains the server.js file in the terminal or the command prompt and then type the following command there:

```
npm install ws
```

This should install the ws module in the same folder as the server.js file.

## Running the server

Once you have made sure that everything is set up perfectly you can now run the server.js and enjoy the quiz.

Open the folder that contains the server.js file in the terminal or the command prompt of your machine and then over there type the command:

```
node server.js
```

This command will run the server and you should see something like this:

```
^C
rachits-MacBook-Pro:cpsec 329 project rachitbartwal$ node server.js
Working
5
Server listening to port:
█
```

This means the server is running fine.

### Final step

You are now one step away from playing the biggest computer security trivia, and all you got to do now is to go to a web browser and type the following link: <http://localhost:3000/>