Notebook 3: Using ExpressJS with NodeJS

# Requirements

## Previous Tutorials

* Refer back to other tutorials
* Be sure to have a file in JS and a server that can handle requests and responses

# How to use npm to install new packages in your project

## Using the Install command

* Use the start menu to open the cmd prompt
* Use cd to navigate to the folder with the js file in it
* Use the command npm install following with the needed package

npm install express

# Importing these modules into your application script

## Using require

1. Open your main js script inside an IDE
2. In preferably the top line of your code, use:

var express = require(‘express’)

# How to set up an ExpressJS application into your code

1. For the later part of our code, we need to use the app module
2. Use:

const app = express()

# How to handle GET requests at different endpoints using ExpressJS

## Using app.get()

1. This sends the code whenever someone arrives to the link:

app.get('/', function (req, res) {

res.send('hello world')

})

# How to start a listen server using ExpressJS

## Using server.listen()

1. This is a base example for the listen server
2. Make sure you define hostname with your IP and assign port with a number!

server.listen(port, () => {

console.log(`Server running at http://${hostname}:${port}/`);

});

# How to test this listen server

1. Launch your preferred web browser
2. Using the search function, use:

http://localhost:PORTNUMBER

### The result should appear like this on your screen

