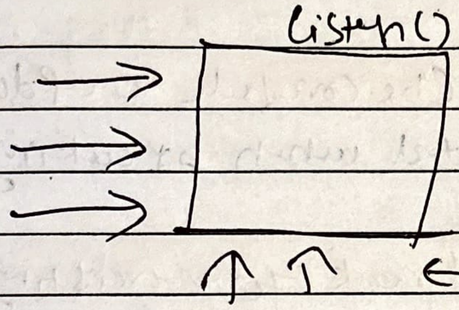
CReating our Express Server :

TraderMatch.
(NPM init)
Created a Project.

Now lets create a Server.



We will use express js.
install Express js ← via npm
— npm i express.

+ ★ Node Module is a place where whenever we install some package it just get's the code from internet and put's it over. nodemodule folder so we can use it

+ what is dependency?

dependency mean any package which our pot. Project is dependent on.

^ ← Caret Sign (minor update)
~ ← tilde. (major update)

why are this version have 3 digits

```
1.0.0      express js = ' 4.19.2 '
                          ↑   ↑   ↑
                       Major. Minor Patch
```

How this get decided

1.0.0 -> (Saftey update)

Patch, very small change,

Patch (~~small change~~, bugfix,)

minor change (backward compatable)

on this things will be still backword compatible

(Minor change, small new feature added)

major change (be carefull to update)

Major version is updated when breaking changes are their

this can also break your existing code.

Suppose we have a feature or update which ~~can affect effect on our current~~ can affect the current version so they update it on new level

(no backward compatible).

(~) will autoupdate major version
(^) will autoupdate minor version or patch update.

To lock the version, we have package.lock.json,

actual version. ⇐ in package.lock.json json,

```
const express = require('express');

const app = express(); ← we are creating
                          express is application
```

↑ it is like creating web server. instance of express app

(and we have to call listen so that anyone can connect over server)

```
const port = 3000;

app.listen(Port);
```

↑ we also have call back function. it will only called when server has been started successfully.

How to handle a port.

~~app. use (function~~ can also give route.

here we

```
app.use ((req, res) => {
    res.send ("Hello from the server");
});
```

Request handler.

routes.

```
app.use ("/admin", (req, res) => {
        res.send ("this is admin Panel");
});
```

↑ Handler.

whenever a request to our server, code will start from top. (route orders are very important)

⚠ order of the routes matters a lot! ⚠