**Docker Section 2**

**Summary:**

* Why Docker
* Dockerfile
* Image and containers
* Docker commands

# Why Docker

A new developer in joining a company, the dev needs to install all the technologies that requires to work in the application:

* It will take a lot of time.
* Installation Errors.
* Problem of versions.

Deploy your app in testing, staging and production, you need to do the same process when you install it in the first time....

Docker comes to solve this problem.

The idea of docker is to transfer the application with all of it dependencies to another machine or another environment.

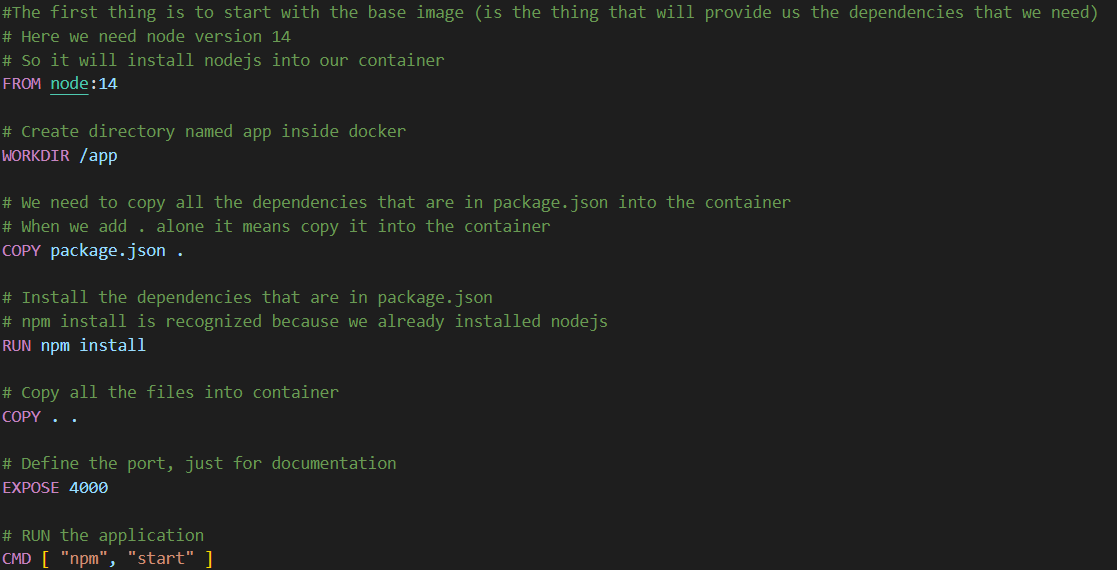
# Dockerfile

To dockerise the application we need a Dockerfile.

Dockerfile is a file that tell the application how it can be run and what's the dependencies that need to be used.

RUN Dockerfile : Look **.Dockerfile** file

**docker build -t image-name .** : Run the Dockerfile and install all the dependencies.



# Docker Commands:

## docker version

Show what version of docker we are working on

## docker search