**DevOps intern Task – Igal Hodachnik**

The first steps I used to start the task is to install all the requirements for the task: Node.js, Docker, Visual Studio Code and Git.

After installing all the requirements, I created a git repo in GitHub to track my versions of the task.

After installing Docker, I followed the guides in the desktop app to understand how to use a Docker since I never used it before,

After that I watched a tutorial to understand better about what is an image and a Dockerfile.

After that I created and JavaScript file named app.js that runs a web-server using node.js on local host on port 8080,

While I was watching the tutorial I understood I need to use npm(Node Package Manager) to distribute the code to web app

I can run the app without npm but I understand that it is very important for publishing, installing etc.

After all the installation I looked in google fore command for the dockerfile to use it after I found them I inserted a build command to build the Docker and then run it and it worked on windows using this commands:

**Build:**

```docker container build -t igalhod/devops-task .```

**Run:**

**```**docker container run -d -p8080:8080 igalhod/devops-task**```**

I tried to pull the image from Docker hub to Linux, and I had some problem because, if I want to use Docker on Linux I need to install docker.io -> sudo apt install docker.io and not sudo apt install Docker.

Then I had problem because the commands are a bit different between Linux and windows, I found the right commands for pulling and running a Docker for Linux and used `sudo` because I need an admin permission to use a Docker in Linux and it worked.