**Week 6 Assignment**

Writing a yaml file to Deploy a basic Nginx Pod

A screenshot of a computer

Description automatically generated

Apply the configuration and Verify the deployment:

A screen shot of a computer

Description automatically generated

Using Describe Command to check events:

A screen shot of a computer

Description automatically generated

Editing the Yaml file to include an init container that fetches the homepage of example.com and store it in an emptyDirA screen shot of a computer

Description automatically generated

Applying the yaml file again after deleting the previous pod: A computer screen shot of a program

Description automatically generated

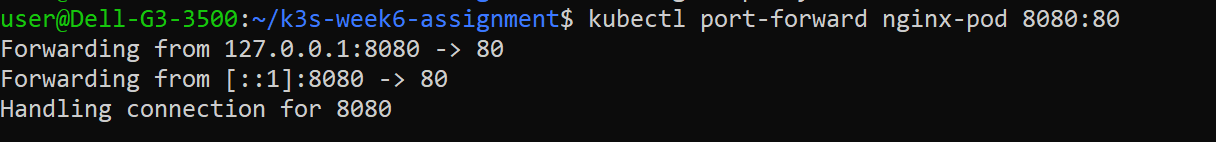
A screen shot of a computer

Description automatically generated

Port Forwarding to 8080 to see the Webpage:

A screenshot of a computer

Description automatically generated



Updating the Yaml file again to add the liveness Probe:

A computer screen shot of a black screen

Description automatically generated

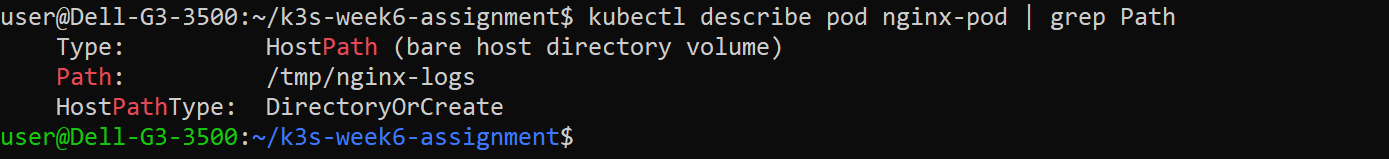
A screen shot of a computer

Description automatically generated

Checking if the Probe working or not and confirming that the logs are written on the host path we have chosen:

A computer screen with text on it

Description automatically generated



A Config file has been created to create the /healthnz because when trying to use it in the pod yaml file it generates an error because it can not find the file. I don’t know if this is the correct method to solve this problem.