# Docker - bind-mount tutorial

This exercise will get you to create a custom configuration for NGINX on your host machine and then override the default configuration for NGINX running in a container by using a bind mount of the configuration file.

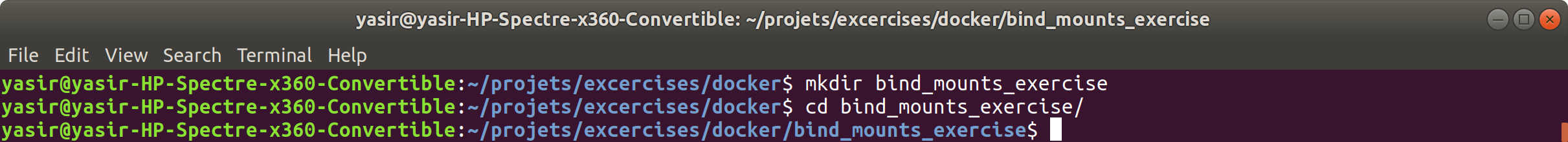
**Step 1: Creating a directory**

Create a new directory called bind\_mounts\_exercise, the command for this is:

**$ mkdir bind\_mounts\_exercise**

Change to the new directory by executing:

**$ cd bind\_mounts\_exercise**

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**Step 2: Creating configuration file**

Create NGINX configuration file called nginx.conf, the command for this is:

**$ touch nginx.conf**

Place the following in the configuration file, to keep the formatting try using **SHIFT+INSERT**:

events {}

http {

server {

listen 80;

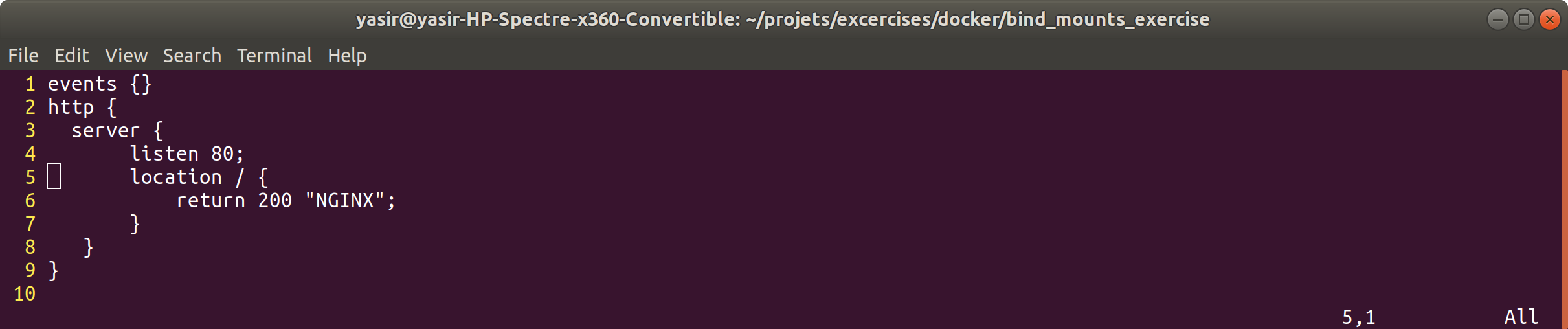
location / {

return 200 "NGINX";

}

}

}

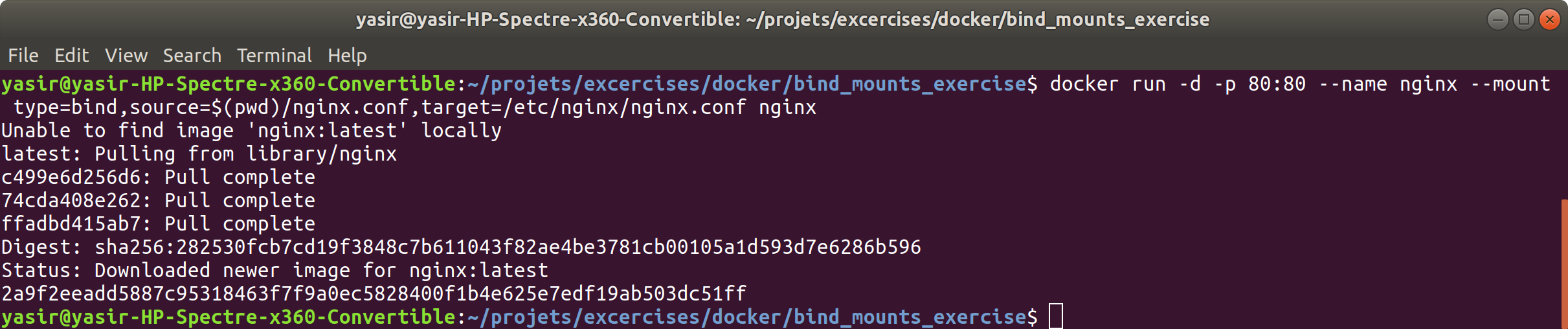
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**Step 3: Run the NGINX container**

Run the NGINX container, mapping port 80 and override the existing NGINX configuration file with the one you created.

The command for this is:

**$ docker run -d -p 80:80 --name nginx --mount type=bind,source=$(pwd)/nginx.conf,target=/etc/nginx/nginx.conf nginx**

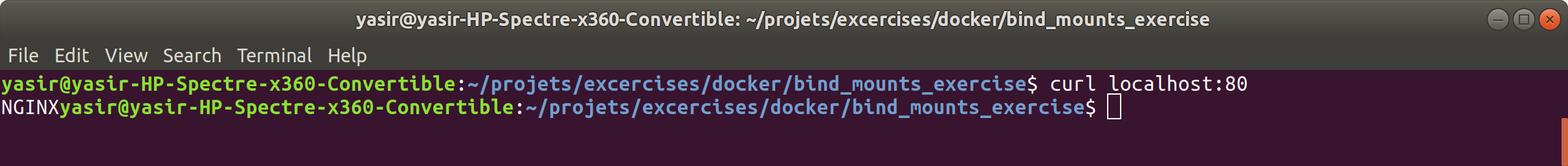
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**Step 4: Checking it works**

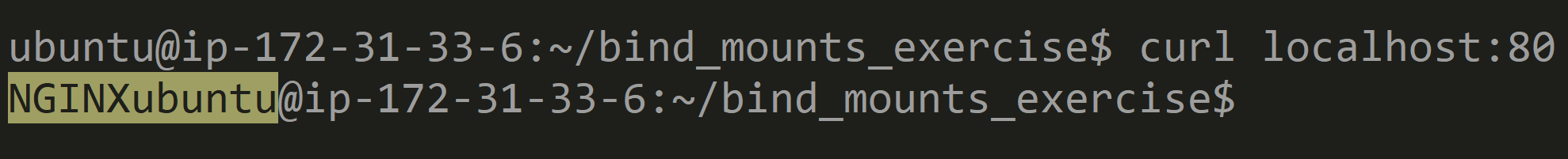
There are two ways how you can check whether it works:

1. Execute the following command:

**$ curl localhost:80**

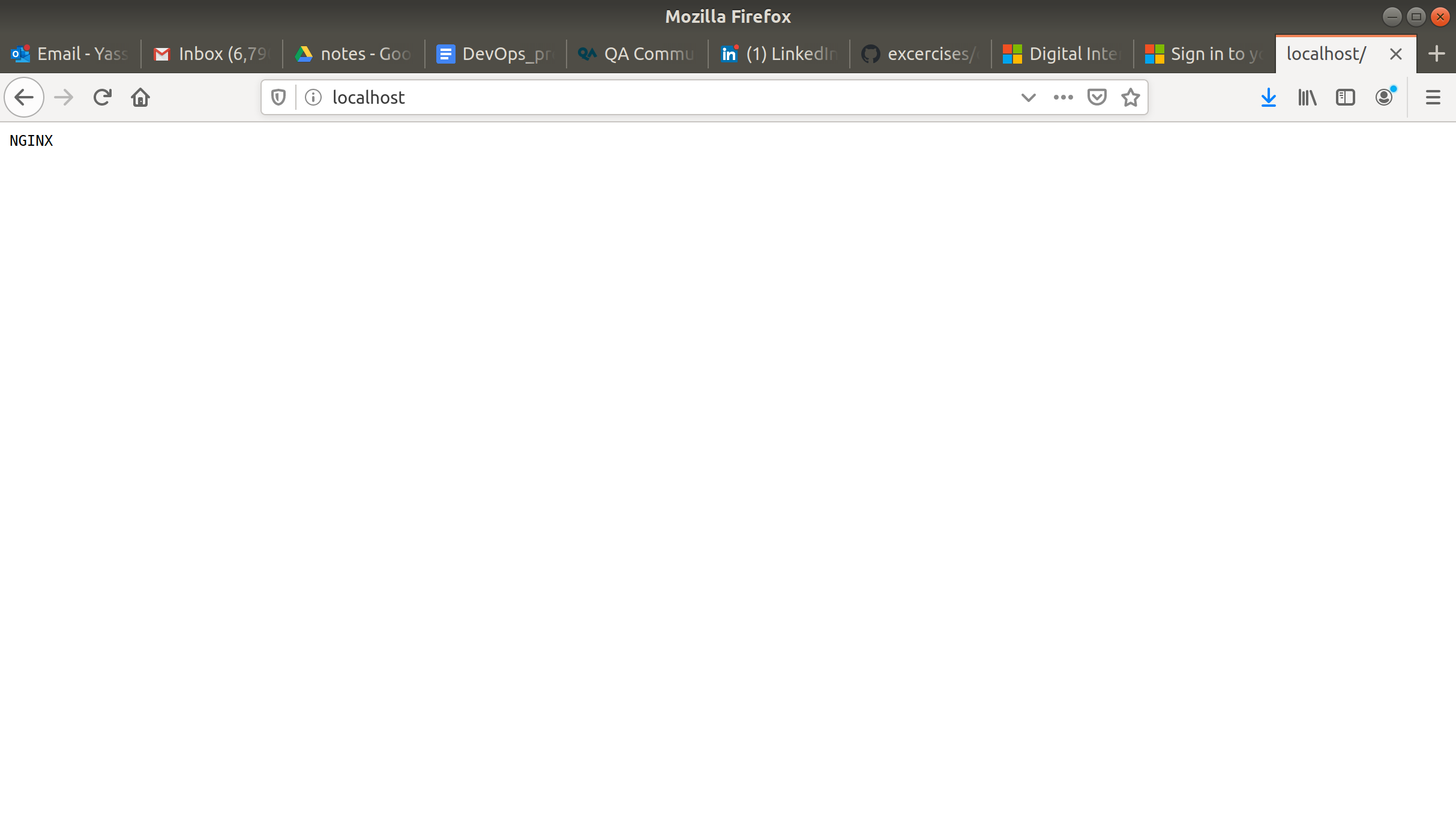


You should see the highlighted text printed on the terminal:



1. Second way is by navigating your browser to localhost:80 and you should see the following:



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**Step 5: Stop container**

Stop the container by executing:

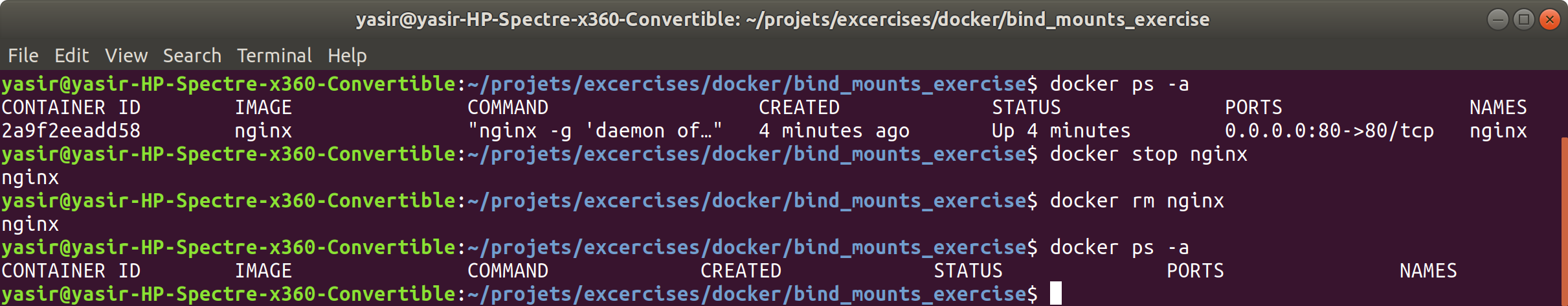
**$ docker stop nginx**

**Step 6: Step Remove container**

Remove container by executing:

**$ docker rm nginx**

**Step 7: Remove NGINX image**



Remove NGINX image by executing:

**$ docker rmi nginx**

I use it alot for tutorials, so i will keep it

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