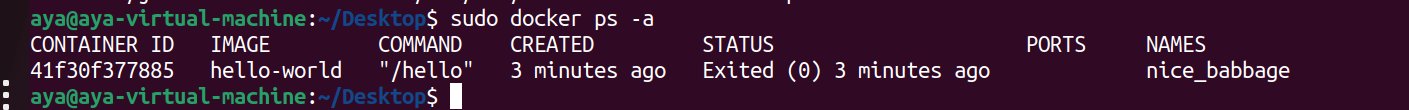
Problem 1

▪ Run the container hello-world

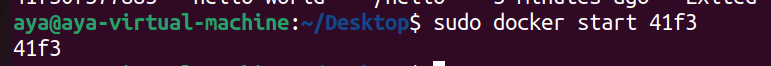
A screenshot of a computer program

Description automatically generated

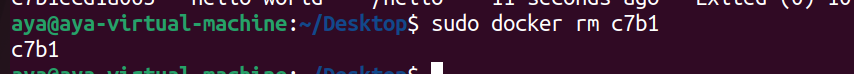
▪ Check the container status



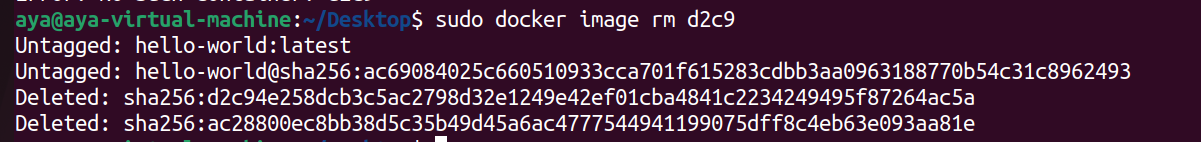
▪ Start the stopped container



▪ Remove the container



▪ Remove the image



Problem 2

▪ Run container centos or ubuntu in an interactive

mode

o Run the following command in the container

“echo docker ”

o touch a file named hello-docker

A computer screen shot of a computer

Description automatically generated with medium confidence

▪ Stop the container and remove it.

o What is your comment about the file hello-docker?

A screenshot of a computer screen

Description automatically generated

The hello-docker file which was created within the container is deleted as well.

▪ Remove all stopped containers

A computer screen with white text

Description automatically generated

Problem 3▪ Run a container nginx with name mynginx and

attach a volume to the container

o Volume for containing static html file

A computer screen shot of a computer

Description automatically generated

▪ Remove the container

A screenshot of a computer program

Description automatically generated

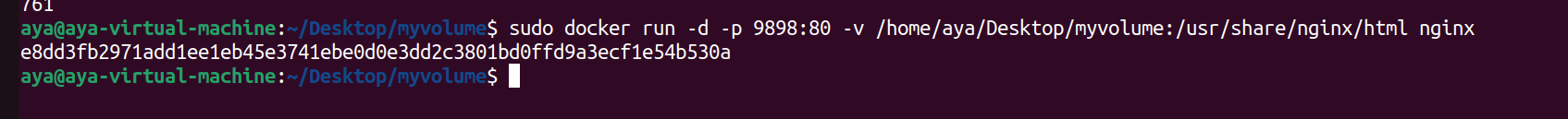
▪ Run a new container with the following:

o Attach the volume that was attached to the

previous container

o Map port 80 to port 9898 on you host machine

o Access the html files from your browser



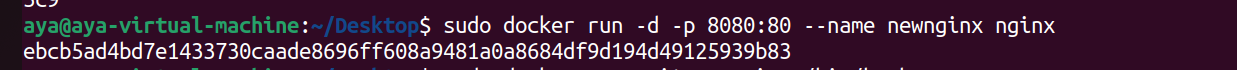
A screenshot of a computer

Description automatically generated

Problem 4

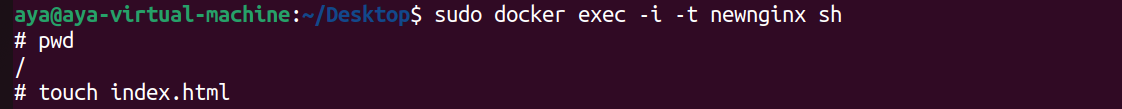
▪ Run a container using nginx image "without

attaching any volumes"



▪ Add html static files to the container and make

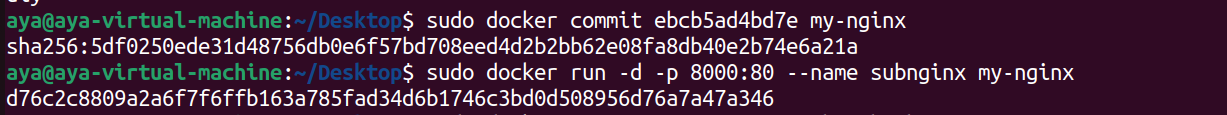
sure they are accessible

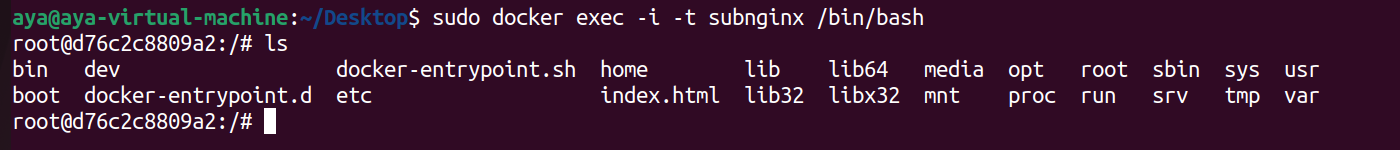


▪ Commit the container with image name "my-nginx"

▪ Run new container with the new image my-nginx

o What will happen to the static file?





The index.html file which was created within the container of the nginx image is inside the other container that is an instance of the new image we committed.

Problem 5

▪ Create a volume called mysql\_data, then deploy

a MySQL database called app-database. Use the

mysql latest image, and use the -e flag to

set MYSQL\_ROOT\_PASSWORD to P4sSw0rd0!.M

ount the mysql\_data volume to /var/lib/mysql.

The container should run in the background.

A computer screen with white text

Description automatically generated