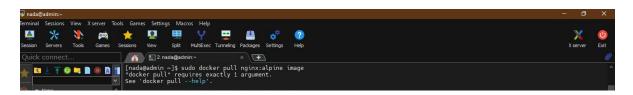
## Task1

- 1-Github account ....done
- 2- download docker ...done
- 3- pull nginx: alpine image

sudo docker pull nginx: alpine



4- explore the 'docker run' command and run nginx: alpine image on vm in background and specify name name 'name-iti-no'

sudo docker run -d --name nada2-iti-44 nginx: alpine



5-run apache container with apache image with memory limit 70 MB and 1 core

```
docker run -d --cpus=1 --memory=70m httpd
```

docker ps

## sudo docker stats

```
CONTAINER ID NAME CPU% MEM USAGE / LIMIT MEM % NET I/O BLOCK I/O PIDS ^
94e13f17a72a clever_matsumoto 0.01% 13.2M1B / 70M1B 18.86% 1.08kB / 0B 12.6MB / 4.1kB 82
4e320c7cc442 nada2-īti-44 0.00% 3.422M1B / 1.737G1B 0.19% 1.53kB / 0B 14.3MB / 25.6kB 2
```

5-after creating containers make sure to get the path of the cgroups created for this container and memory.limit\_in\_bytes of apache container

• sudo docker ps --no-trunc



• Ls /sys/fs/cgroup/system.slice/docker2559ffffb

e8cf8e91ce39447219d56b21245d2c53bc367ebf68a9a0170546d46.scope/



 cat/sys/fs/cgroup/system.slice/docker2559ffffbe8cf8e91ce39447219d56b21245d2 c53bc367ebf68a9a0170546d46.scope/memory.max

[root@khaled ~]# cat /sys/fs/cgroup/system.slice/docker-2559ffffbe8cf8e91ce39447219d56b21245d2c53bc367ebf68a9a0170546d46.scope/memory.max