Docker installation:

| 5 for pkg in docker.io docker-doc docker-compose docker-compose-v2 podman-docker containerd runc; do sudo apt-get remove $pkg; done |
| --- |
| 6 sudo apt-get install ca-certificates curl |
| 7 sudo install -m 0755 -d /etc/apt/keyrings |
| 8 sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc |
| 9 sudo chmod a+r /etc/apt/keyrings/docker.asc |
| 10 echo "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \ |
| $(. /etc/os-release && echo "${UBUNTU\_CODENAME:-$VERSION\_CODENAME}") stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null |
| 11 sudo apt-get update |
| 12 sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin |
| 13 systemctl status docker |
| 14 docker --version |
| 15 history |

| 25 docker pull python:windowsservercore-ltsc2025 |
| --- |
| 26 docker pull python |
| 27 docker imahes |
| 28 docker images |
| 29 docker pull ubuntu |
| 30 docker images |
| 31 docker run -itd python |
| 32 docker ps -a |
| 33 docker run -it python |
| 34 docker ps -a |
| 35 docker start 3737209854cc |
| 36 docker ps -a |
| 37 docker run -itd ubuntu /bin/bash |
| 38 docker ps -a |
| 39 docker exec -it 26c0eadccfda /bin/bash |
| 40 history |
| 41 docker run -itd ubuntu /bin/bash |
| 42 docker ps -a |
| 43 docker ps |
| 44 mkdir dev-site test-site |
| 45 ls |
| 46 cd test-site/ |
| 47 ls |
| 48 touch dockerfile |
| 49 vi dockerfile |
| 50 docker build -t test-httpd |
| 51 ll |
| 52 chmod 777 dockerfile |
| 53 docker build -t test-httpd |
| 54 docker buildx build -t test-httpd |
| 55 docker buildx build -t test-httpd . |
| 56 ls |
| 57 docker images |
| 58 docker run -itd test-httpd |
| 59 docker ps -a |
| 60 docker run -itd --name test-httpd-container -p 80:80 test-httpd |
| 61 docker ps -a |
| 62 docker rm bdc2f5be0b27 |
| 63 docker stop bdc2f5be0b27 |
| 64 docker ps -a |
| 65 docker rm bdc2f5be0b27 |
| 66 history |
| 67 docker -v |
| 68 docker |
| 69 docker -v |
| 70 docker images |
| 71 docker pull ubuntu |
| 72 docker images |
| 73 docker pull centos |
| 74 docker images |
| 75 docker pull crate |
| 76 docker images |
| 77 docker run -itd centos /bin/bash |
| 78 docker ps -a |
| 79 docker run -it centos /bin/bash |
| 80 docker ps -a |
| 81 ls |
| 82 docker start 5b23bb111821 |
| 83 docker ps -a |
| 84 docker exec -it 5b23bb111821 /bin/bash |
| 85 docker ps -a |
| 86 ls |
| 87 cd test-site/ |
| 88 ls |
| 89 cat dockerfile |

Kubernetes:

| 48 kubectl version |
| --- |
| 49 kubectl cluster-info |
| 50 kubectl get nodes |
| 51 kubectl get pods |
| 52 kubectl get ns |
| 53 kubectl get all -n default |
| 54 kubectl get all -n c405-team03-prod |
| 55 kubectl get all -n orderbook-dev |
| 56 kubectl get all -all-namespaces |
| 57 kubectl get all --all-namespaces |
| 58 kubectl create ns c408hari |
| 59 cle |
| 60 kubectl create ns c408-team01 |
| 61 kubectl delete ns c405-team03-prod |
| 62 kubectl get all --all-namespaces |
| 63 kubectl get all -n default |
| 64 kubectl get all -n c405-team03-prod |
| 65 kubectl get ns |
| 66 kubectl get deployments -n c405-team01-prod |
| 67 kubectl get services -n c405-team01-prod |
| 68 kubectl get -all -n c405-team01-prod |
| 69 kubectl get --all -n c405-team01-prod |
| 70 kubectl get all -n c405-team01-prod |
| 71 kubectl get replicaset -n c405-team01-prod |
| 72 kubectl get pod -n c405-team01-prod |
| 73 kubectl get pod -o wie -n c405-team01-prod |
| 74 kubectl get pod -o wide -n c405-team01-prod |
| 75 kubectl get deployments -o wide -n c405-team01-prod |
| 76 kubectl get services -o wide -n c405-team01-prod |
| 77 history |
| 78 kubectl get deployments -o wide -n c405-team01-prod |
| 79 kubectl get deployments -n c405-team01-prod |
| 80 kubectl describe deployment orderbookapi -n c405-team01-prod |
| 81 kubectl describe deployment orderbookapi -n c405-team01-prod -o yaml |
| 82 kubectl get deployment orderbookapi -n c405-team01-prod -o yaml |
| 83 kubectl get pod -n c405-team03-prod |
| 84 kubectl logs orderbookapi-6fd4954dbc-wj924 -n c405-team03-prod --since=1h |
| 85 kubectl describe pod orderbookapi-6fd4954dbc-wj924 -n c405-team03-prod |
| 86 kubectl logs orderbookapi-6fd4954dbc-wj924 -n c405-team03-prod -c 6fd4954dbc |
| 87 kubectl logs orderbookapi-6fd4954dbc-wj924 -n c405-team03-prod -c 212c2c6608e3a |
| 88 kubectl logs orderbookapi-6fd4954dbc-wj924 -n c405-team03-prod -c 212c2c6608e3ae8552a13b031237ed8e022664a3eb4e561aee103abd2c05d560 |
| 89 kubectl logs orderbookapi-6fd4954dbc-wj924 -n c405-team03-prod |
| 90 history |

Ansible:  
 1 sudo dnf install ansible

2 mkdir ~/ansible && cd ~/ansible

3 touch start\_mysql\_playbook.yaml

4 vi start\_mysql\_playbook.yaml

5 ansible-playbook start\_mysql\_docker.yaml

6 ansible-playbook start\_mysql\_playbook.yaml

7 sudo dnf install mariadb105

8 mysql -h127.0.0.1 -uroot -p

9 vi stop\_mysql\_playbook.yaml

10 ansible-playbook stop\_mysql\_playbook.yaml

11 history