Yum background

Yum repository directory
```
/etc/yum.repos.d
```

Repository list
```
yum repolist

yum repolist enabled

yum repolist disabled

yum repolist all
```

Repository list, verbose mode
```
yum repolist -v
```

List packages from all repositories
```
yum list available
```

List packages from particular repository
```
yum --disablerepo="*" --enablerepo="docker*" list available
```

Docker setup

Docker setup
```
yum install -y yum-utils device-mapper-persistent-data lvm2
```

Setup docker repository
```
yum-config-manager --add-repo
https://download.docker.com/linux/centos/docker-ce.repo
```

Install latest version of Docker Engine – Community and containerd
```
yum install -y docker-ce docker-ce-cli containerd.io
```

(this also creates the docker group - /etc/group, but no users are added to it yet)

Setup docker to be used for a non-root user (add student user to docker group)
```
usermod -aG docker student
```

Check student user groups
```
groups student

id student
```

Start docker
```
systemctl start docker
```

Verify that docker is running
```
docker run hello-world
```

Docker directory (images, containers, volumes, config files etc)
```
/var/lib/docker/
```

Configure docker to start on boot
```
systemctl enable docker
```

List docker images
```
docker image ls
```

Assigment

Docker overview
https://docs.docker.com/engine/docker-overview/

Docker Engine – Community installation
https://docs.docker.com/install/linux/docker-ce/centos/

Read and test examples
https://docs.docker.com/storage/storagedriver/