Shapter 3. Sudo podman logs name -> container logs container image 1. Sudo podman run image container ~ creats a new container from an image. 2. Sudo podman ps -> displays the Container ID frames unique 3. Sudo padwan nun -- name — imagel container ... defines the container name explicitly 4. Sudo poduran rum -- name - \_d imageleontainan> rums in detached mode [inbackground] 5. Sudo podman run image (container les Itup ~ overvides the entry point 6. Sudo podman run -it imagel container Ibinl , starts on interactive shell 7. Sudo podman exec Container [Iparume] ~ starts a process inside an already running container 8. Sudo poduvan ps esoniotras prinning estas en 9. Sudo podwan ps -a ~ Distrall containers including stopped ones 10. Eudo padman inspect container ~> Pists metadata about running or stopped Container 4. Sudo podmon inspect 1 - P ' [ [. Metwork Settings. IPAddress ] ? Coutainer ~> retrives only the IPaddress 12. Sudo podman stop Container reniptuos prinning egota en 13. Sudo podinan restant container (-a)=all (-a)=all ventainer meatorits a stopped container by neuring olddata ~> deletera container 45. Sudo podman ps -- format = "{{:ID}}} ..."
16. Sudo podman pur container image
15. Sudo podman pur container image
15. Sudo podman ps -- format = "{{:ID}}} ..."
15. Sudo podman ps -- format = "{{:ID}}} ..."
15. Sudo podman ps -- format = "{{:ID}}} ..."
15. Sudo podman ps -- format = "{{:ID}}} ..." Stop->delte and Destamply and ~> pulls container image 1. Sudo whatir I varil disples combiner-gile-t -> creat directory 2. Sudo chown - Ry UID: UID (World files - change ownership of file to UID 3. Sudo semande frontext -a-t="vanidagiles list" apply the file context to the directory to sudo restaucon - Ru Ivanidagiles list apply the container policy \* Mauring a volume: Sudo podman rum - V file: Container storage Container imagel 17. Sudo podman rum -d -- name = x , allow external access to container -P (IRaddress: host part container image 18. Sudo podman part container image ~> see thepart assigned \* verify that DB is loaded successfully: 1. Sudo podman exec-it container imagel ~~ non-interactive drell 2. mysol - unsert - h (IB) - pmpas 551 - ppart primarding 3. Sudo podmon exec - it container name, Ibinlboosh -> interactive shell mysel -uvoot items -e" SELECT \* FROMitem" - connect to the MySql Nower 19. mysgl - Uxoot show databases;

Apter 4: Sudo podman search Eoption ] < term> ~ finds images from letel containers largistries conf i)--Pimit <number> -> number of images per registry > -- filter < filter = value> (. Stars = < number> snota le radmon --· is-automated = < true / false> ~ images automatically built · is - official = < true / galse> ~> plagged as official iii) --tls-verify <true/false> - Enalphenoridisables HTTPs. 2. Curl \_ Ls WHps: /kname / 12/- Catalog? w -> Pist all repositories available in registry Python -m json tool register 3- curd - LS / NHps: 11-1/21 < name> / tags / Rist - list of tags available for a single image 4. Sudo podman login -u wername 1 noitesirostus access authorization -6 bassmard E. Engo bogman brill > vallestring > | < name > (container > brill image from another) 6. Sudo poduan images ~> fist all container images stored foculy F. Sudo podman pull whed mysgl-57-wholf: 57 E. 7 ~ pull specific tag 8. Sudo podman save E-0 FILE\_NAME JIHAGE\_NAME [:TAS] ~ Dave image as too file 7. Sudo podman load E: FILE-NAME] -> Mestore the container image [...] JAHI J JAHI [anoitgo] int mombod obus.ol no delete avimage (sudo poduran simi -- force ox stop--simi Loudman a At arroff con 11. Sudo podman commit [OPTIONS] container / [REPOSITORY C:PORT]|] THAGE\_MAME C:TAG] San Louis Carping to (10) (i) -- author = -a In who created the container image ii) -- mersage -> commit message -> format of the image iii) -- format 12. Sudo podman diff container image - identify what is changed 13. Judo podwau tag [OPTIONS] IMAGE[:TAG]/ [REGISTRY HOSTI] [USERNAMEI] MAMEC: TAG] ns tag animage 14. Sudo podman mi [-] 1 [: TAG] -> remove tag 15. Sudo poduran push COPTIONSJIMAGE ~> push image 6. curl http://lacalhost: 8800 -> attempt to access local host [ negsty. Dearch] [2160, 21th inzecrate]

-1 meruane -6 barmary -> Most operations require a logged-in user. Sc login Zoluster Und> 100 part-farward -pad 3306:3306 -> bay farmarding 1300 vew-app -0 json or-0 yaml >> to create a sheldownerounce definition file (4) oc create - f < filename> -> create an application -> create deployment coursig resources (5) or new-app is -- as-deployment-config (6) oc new-app -- docker-image = x-name=x > private clocker image registry (7) OC new-app https://github.com/a/a ~> code stored in a git repository (8) oc get Recource-type [-0,json1-0 yamal] of displays a summary of all recources of the specified (9) oc get all ~ retrieve a summary of the most comparents. (40) Oc describe Resource-type Resource-name ~> retrive additional information (11) oc edit moitivites estable and resource definition (12) oc delete Recource-type vame ~> removes a resource from an openshift cluster (13) OC exec -> executes commands inside a container (14) oc get & - & app= x ~> - f: acts as a selector. (15) oc new-project a ~ create a new project (16) oc status or view status of the new application (17) Oc expose Resource-type Resource-name ~ expose, Parexternal access (18) oc get pod -w ~> manifor the progress (19) oc bods - 6 x ~ manitor logs of (bolde) (20) oc get is -n openshift ~> available image streams (21) Oc new-app -- as-defigment-config then https://my.git -- name = myapp >> Building an application -iphp (22) ocget builds -> list of application lacilds (23) Oc logs build Imyapp-1 -> shows the last, few lines of the build log (24) or get build config oc start-build myapp ~> trigger new build (25) OC New-project & -> createnew project (26) oc get suc ~> Pist pervices (27) OC Rogs - P bc/ x I niem god, of poc as qc oc logs -fdclx (28) oc expose SU/x / -- name = x ~> create a route will a name (29) oc logs -- all-containers and logs of containers (30) oc get stoute -o jsonpath = '{ ... spec. host} {" /"}' ] URL of deployment oc get noute - 0 yam -- context - div? ~ gitpath is wollime

ster 5: bocker file instruction examples: ~> Specify the base image FROM description = " a" ~ Add generic metadata LABEL -> indicates the author MANTAINER < email> name ~> executes commands in anew layer RUN X -> fishens on the specified network part EXPOSE & as defines environment variables EMN X ~> Copies files or folders from a local or remote source and adds them to the container's file by other ADD X ~ copies files from the working directory and COPYX adds them to the container's file system ~> specifies the wername USERX ENTRY POINT X ~ specifies the default command to execute ~> provides the default arguments for ENTRYPOIN CHDX

get templates - u openshift [1 grep persistent] -> list preinstalled templates Joc get template or - u opendight - o your -> show a yaml template definition ~> publish the application template create the application (3) OC create - P x. yaml [-n openshift] 5) OC Process -- parameters & -n opendight J list available parameters from a template (6) OC process - F < file name>
oc create - F: - o yaml
- p = override a parameter] -> process atemplate -> Pist the pervistence volume objects -> see your definition 8) oc get pu & - o yaml -> add mørepersistence Whime 1910c create - P x. yaml ~ create puc (10) oc create - f puc. yaml -> Dist persistence volume claim (11) oc get puc \* Oc get template > redirection Texport] parameters & create \* oc new-app -- template = x chapter8: -- retrieve the logs from a build configuration (1) oc log bc/capplication name> -> request anew build 2) oc start-build < application name> -> retrieve the logs from a deployment config. 31 oc log dc/<application name> (4) oc adm policy add-scc-to-user anyid-zdefault execute container processes with non-root users. (5) OC port-forward & 7:00 local pod (6) podman logs < container name? - bay garmong to steeling bout number -> retrieve the output of running container -> read openshift events (7) oc get events -> delete persistent volume (8) Oc delete pu <pu-vame> -> create persistent volume (9) Oc create - F < pv - resource - file> - automated way to remove obsolete images :10) oc adm prune (11) oc logs < pod Hame > [-c < container Name > ] - returns the output for a container within a pod (12) OC exec - it x I biulbash - execute a single interactive shell (13) sudo podman cp ox < containen Namer: pate -> copy Sudo podman cp < containerHamer, path.

git commit \_am "\_"
git push