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# Container Images, Where To Find Them and How To Build Them
## The Mighty Hub: Using Docker Hub Registry Images
http://hub.docker.com
docker image ls
docker pull nginx
docker pull nginx:1.11.9
docker pull nginx:1.11
docker pull nginx:1.11.9-alpine
docker image ls
## Images and Their Layers: Discover the Image Cache
docker image 1s
docker history nginx:latest
docker history mysql
docker image inspect nginx
## Image Tagging and Pushing to Docker Hub
docker image tag -- help
docker image ls
docker pull mysql/mysql-server
docker image 1s
docker pull nginx:mainline
docker image ls
docker image tag nginx bretfisher/nginx
docker image tag --help
docker image ls
docker image push bretfisher/nginx
docker --help
docker login
cat .docker/config.json
docker image push bretfisher/nginx
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docker image push bretfisher/nginx bretfisher/nginx:testing
docker image ls
docker image push bretfisher/nginx:testing
docker image ls
## Building Images: The Dockerfile Basics
cd dockerfile-sample-1
vim Dockerfile
## Building Images: Running Docker Builds
docker image build -t customnginx .
docker image 1s
docker image build -t customnginx .
## Building Images: Extending Official Images
cd dockerfile-sample-2
vim Dockerfile
docker container run -p 80:80 --rm nginx
docker image build -t nginx-with-html .
docker container run -p 80:80 --rm nginx-with-html
docker image ls
docker image tag --help
docker image tag nginx-with-html:latest bretfisher/nginx-with-html:latest
docker image ls
docker push
## Assignment Answers: Build Your Own Dockerfile and Run Containers From
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cd dockerfile-assignment-1
vim Dockerfile
docker build cmd
docker build -t testnode .
docker container run --rm -p 80:3000 testnode
docker images
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docker tag --help
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docker tag testnode bretfisher/testing-node

docker push --help

docker push bretfisher/testing-node

docker image ls

docker image rm bretfisher/testing-node

docker container run --rm -p 80:3000 bretfisher/testing-node