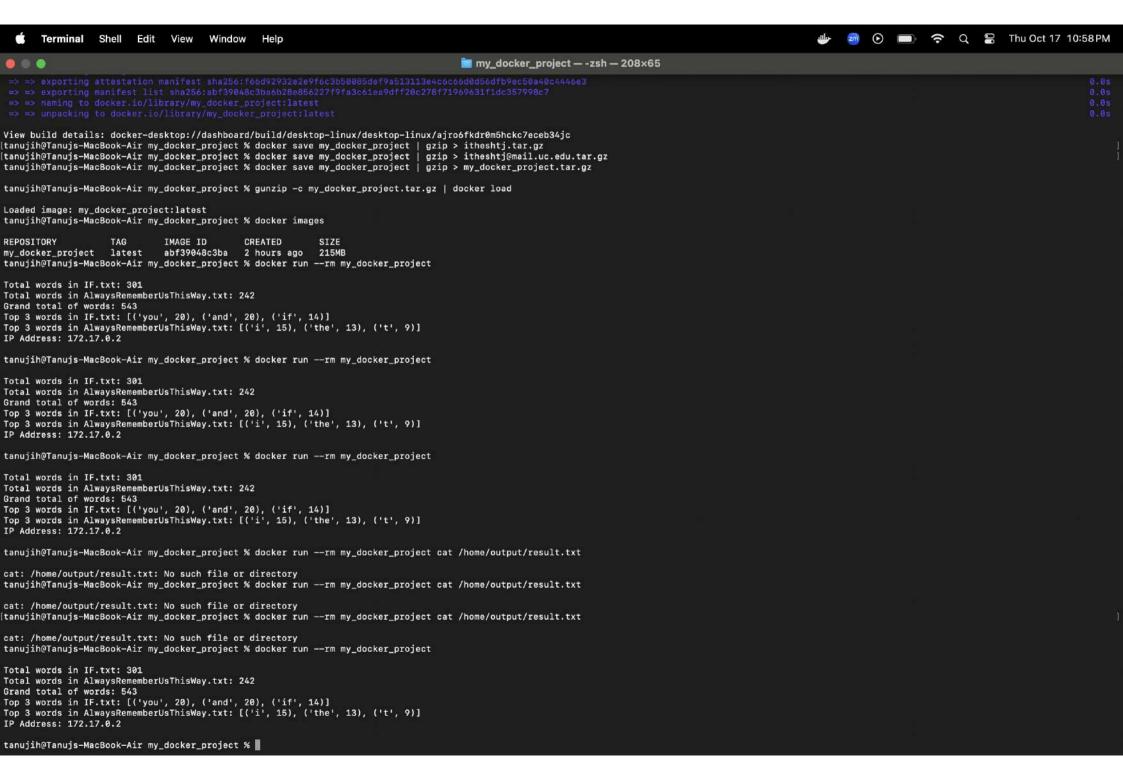
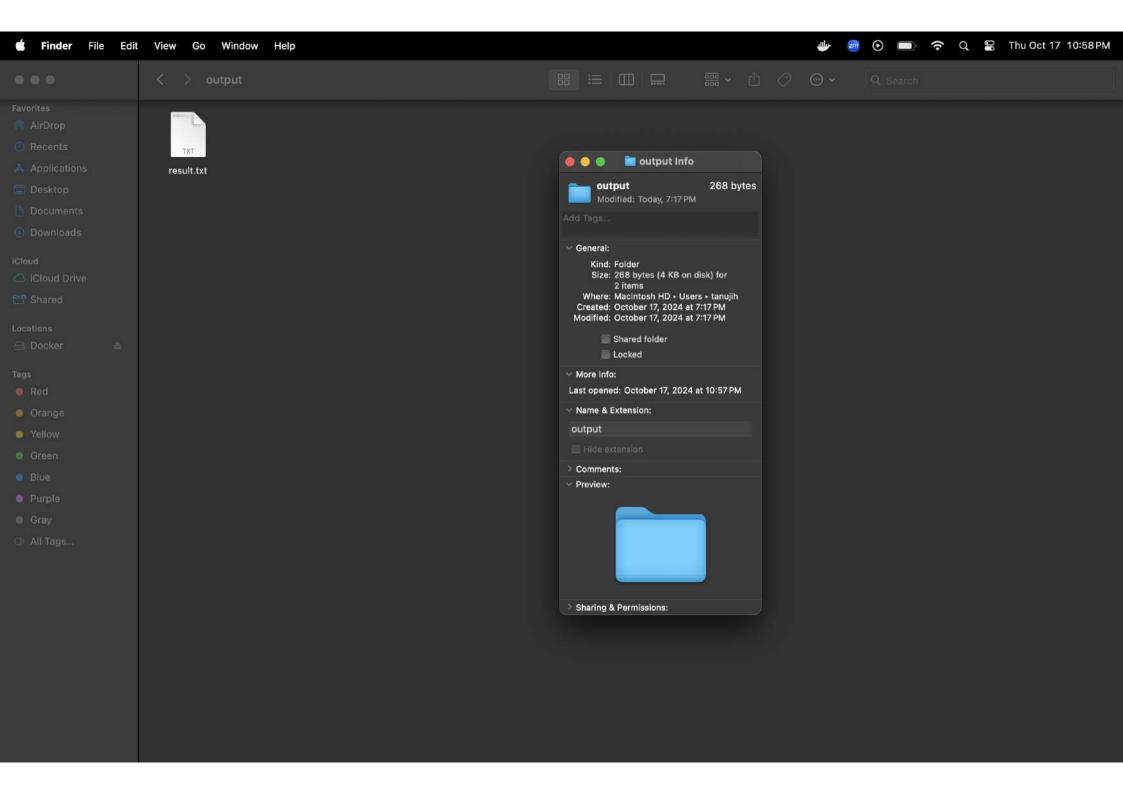
O Thu Oct 17 11:45 PM Terminal Shell Edit View Window Help . . my\_docker\_project — -zsh — 208×65 ==> Fetching kubernetes-cli Downloading https://ghcr.io/v2/homebrew/core/kubernetes-cli/blobs/sha256:fd4 ==> Fetching minikube Downloading https://ghcr.io/v2/homebrew/core/minikube/blobs/sha256:285f8ef73 ==> Installing dependencies for minikube: kubernetes-cli ==> Installing minikube dependency: kubernetes-cli Downloading https://ghcr.io/v2/homebrew/core/kubernetes-cli/manifests/1.31.1 Already downloaded: /Users/tanujih/Library/Caches/Homebrew/downloads/355d5bb8e1683981ab5aa62cd16f2fd06ff40adef4fe23ead3260ddb757ad5e1--kubernetes-cli-1.31.1.bottle\_manifest.json Pouring kubernetes-cli--1.31.1.arm64 sonoma.bottle.tar.gz /opt/homebrew/Cellar/kubernetes-cli/1.31.1: 237 files, 60.2MB ==> Installing minikube Pouring minikube--1.34.0.arm64\_sonoma.bottle.tar.gz Caveats zsh completions have been installed to: /opt/homebrew/share/zsh/site-functions 🜓 /opt/homebrew/Cellar/minikube/1.34.0: 10 files, 99.1MB Running `brew cleanup minikube`... Disable this behaviour by setting HOMEBREW\_NO\_INSTALL\_CLEANUP. Hide these hints with HOMEBREW\_NO\_ENV\_HINTS (see `man brew`). ==> Caveats minikube zsh completions have been installed to: /opt/homebrew/share/zsh/site-functions tanujih@Tanujs-MacBook-Air my\_docker\_project % minikube status 🦓 Profile "minikube" not found. Run "minikube profile list" to view all profiles. 👉 To start a cluster, run: "minikube start" tanujih@Tanujs-MacBook-Air my\_docker\_project % kubectl apply -f deployment.yaml error: the path "deployment.vaml" does not exist tanujih@Tanujs-MacBook-Air my\_docker\_project % kubectl apply -f deployment.yaml error: error validating "deployment.yaml": error validating data: failed to download openapi: Get "http://localhost:8080/openapi/v2?timeout=32s": dial tcp 127.0.0.1:8080: connect: connection refused; if you c hoose to ignore these errors, turn validation off with --validate=false tanujih@Tanujs-MacBook-Air my\_docker\_project % minikube status 🏰 Profile "minikube" not found. Run "minikube profile list" to view all profiles. To start a cluster, run: "minikube start" tanujih@Tanujs-MacBook-Air my\_docker\_project % minikube start 🔒 minikube v1.34.0 on Darwin 14.5 (arm64) Automatically selected the docker driver Using Docker Desktop driver with root privileges Starting "minikube" primary control-plane node in "minikube" cluster Pulling base image v0.0.45 ... Downloading Kubernetes v1.31.0 preload ... > gcr.io/k8s-minikube/kicbase...: 441.45 MiB / 441.45 MiB 100.00% 6.05 Mi > preloaded-images-k8s-v18-v1...: 307.61 MiB / 307.61 MiB 100.00% 3.92 Mi Creating docker container (CPUs=2, Memory=2200MB) ... Preparing Kubernetes v1.31.0 on Docker 27.2.0 ... ■ Generating certificates and keys ... ■ Booting up control plane ... ■ Configuring RBAC rules ... Configuring bridge CNI (Container Networking Interface) ... Verifying Kubernetes components... Using image gcr.io/k8s-minikube/storage-provisioner:v5 Enabled addons: storage-provisioner, default-storageclass Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default tanujih@Tanujs-MacBook-Air my\_docker\_project %

tanujih@Tanujs-MacBook-Air my\_docker\_project %

docker:desktop-linux

📾 🕟 🧰 🛜 Q 🚍 Thu Oct 17 10:11 PM





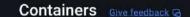




## Containers - Docker Desktop



- Images
- Volumes
- Builds
- Docker Scout
- Extensions





## Your running containers show up here

A container is an isolated environment for your code



What is a container?

4 COPY packa

How do I run a container?



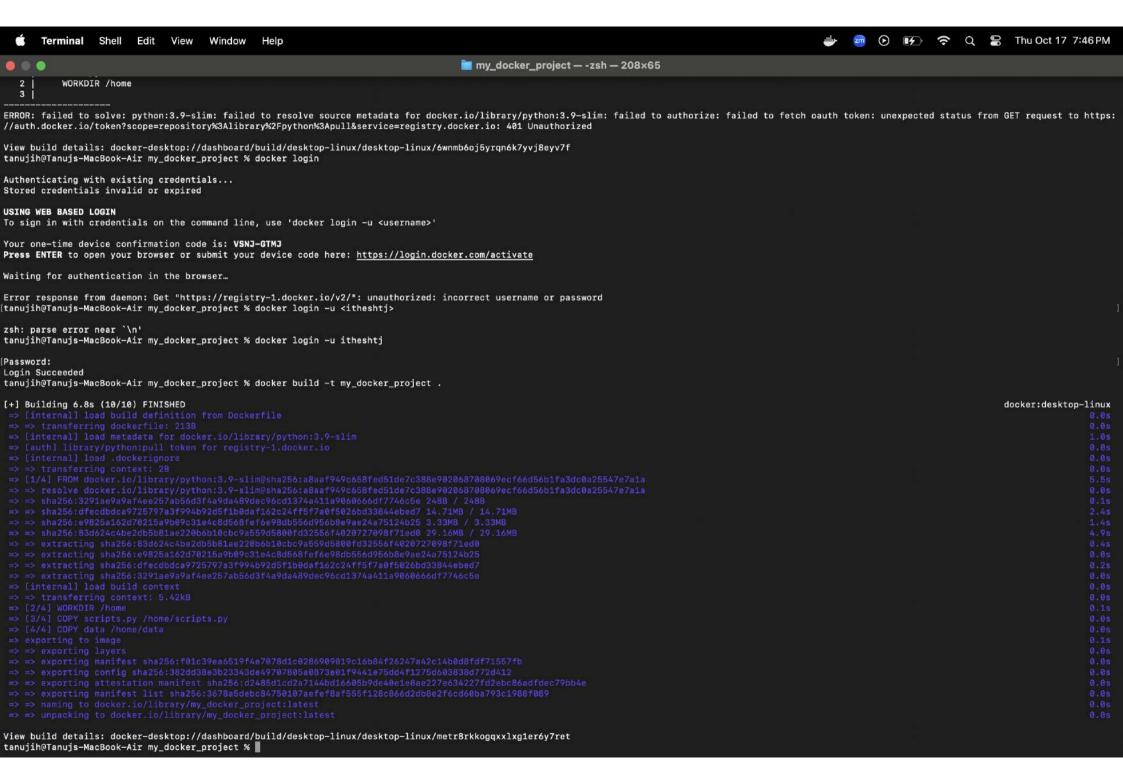
Scout wants to send OS Notifications through Docker Desktop











[+] Building 0.4s (10/10) FINISHED

FileNotFoundError: [Errno 2] No such file or directory: '/Users/tanujih/my\_docker\_project/data/IF.txt'tanujih@Tanujs-MacBook-Air my\_docker\_project % docker build -t my\_docker\_project .

## > [internal] load build definition from Dockerfile > => transferring dockerfile; 900B > [internal] load metadata for docker.io/library/python:3.9-slim > [internal] load .dockerignore > => transferring context; 2B > [1/5] FROM docker.io/library/python:3.9-slim@sha256:a8aaf949c658fed51de7c388e902068708069ecf66d56b1fa3dc0a25547e7a1a > => resolve docker.io/library/python:3.9-slim@sha256:a8aaf949c658fed51de7c388e902068708069ecf66d56b1fa3dc0a25547e7a1a > [internal] load build context > => transferring context; 2.52kB > CACHED [2/5] WORKDIR /home > CACHED [3/5] RUN mkdir -p /home/output > [4/5] COPY scripts.py /home/scripts.py > [5/5] COPY data /home/data > exporting to image > => exporting to image > => exporting manifest sha256:e5dd97ebe5c93d468d549bc09f853ceb610867250708efd8e795a03f9029c7c7 > => exporting config sha256:97607b0be108db955d8c833e53196d26094e7106d857a8c69e0e14ecce52f8eb > => exporting attestation manifest sha256:909c31a52cd761e67cf0c2de8aa486f5987d3c6f6c3c95e9dc638e4f40661587 > => exporting manifest list sha256:89b7b738aeb6f10d8c1e24f55e1974dfd42e5c26982519cbfd8f408f1bfe1cdf > => naming to docker.io/library/my\_docker\_project:latest

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/t40z2e2u2r7cpkv22vbbjij1l tanujih@Tanujs-MacBook-Air my\_docker\_project % docker build -t my\_docker\_project .

```
[+] Building 0.2s (10/10) FINISHED
```

```
=> [internal] load metadata for docker.io/library/python:3.9-slim
=> [internal] load .dockerignore
=> transferring context: 2B
=> [1/5] FROM docker.io/library/python:3.9-slim@sha256:a8aaf949c658fed51de7c388e902068708069ecf66d56b1fa3dc0a25547e7a1a
=> resolve docker.io/library/python:3.9-slim@sha256:a8aaf949c658fed51de7c388e902068708069ecf66d56b1fa3dc0a25547e7a1a
=> [internal] load build context
=> => transferring context: 7868
=> CACHED [2/5] WORKDIR /home
=> CACHED [2/5] WORKDIR /home
=> CACHED [3/5] RUN mkdir -p /home/output
=> CACHED [4/5] COPY scripts.py /home/scripts.py
=> CACHED [5/5] COPY data /home/data
=> exporting to image
=> exporting layers
=> exporting manifest sha256:e5dd97ebe5c93d468d549bc09f853ceb610867250708efd8e795a03f9029c7c7
=> exporting config sha256:97607b0be100db955d8c833e53196d26094e7100d857a8c69e0a14ecce52f8eb
=> exporting manifest list sha256:9834fcfd5191b2810f70a949a153ef13898d4ece199f7dc81e2edbe33ae9d799
=> exporting manifest list sha256:0774671895f4464f83b5da85e6c93c0c5ae66d6b3ae8665579d26f65f89aled
=> naming to docker.io/library/my_docker_project:latest
=> unpacking to docker.io/library/my_docker_project:latest
```

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/m4o45xhsm0wks4v8qpvu5563ktanujih@Tanujs-MacBook-Air my\_docker\_project % docker run --rm my\_docker\_project

```
Total words in IF.txt: 301
Total words in AlwaysRememberUsThisWay.txt: 242
Grand total of words: 543
Top 3 words in IF.txt: [('you', 20), ('and', 20), ('if', 14)]
Top 3 words in AlwaysRememberUsThisWay.txt: [('i', 15), ('the', 13), ('t', 9)]
IP Address: 172.17.0.2
```

tanujih@Tanujs-MacBook-Air my\_docker\_project %

docker:desktop-linux