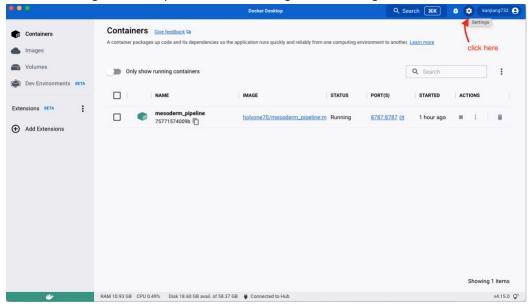
- 1. Install docker from Docker website (<u>Docker Desktop | Docker</u>). Depending on the mac OS system, the intel Chip or Apple Chip version should be downloaded and installed.
- 2. After installing docker, open a new terminal and download docker image using command below:

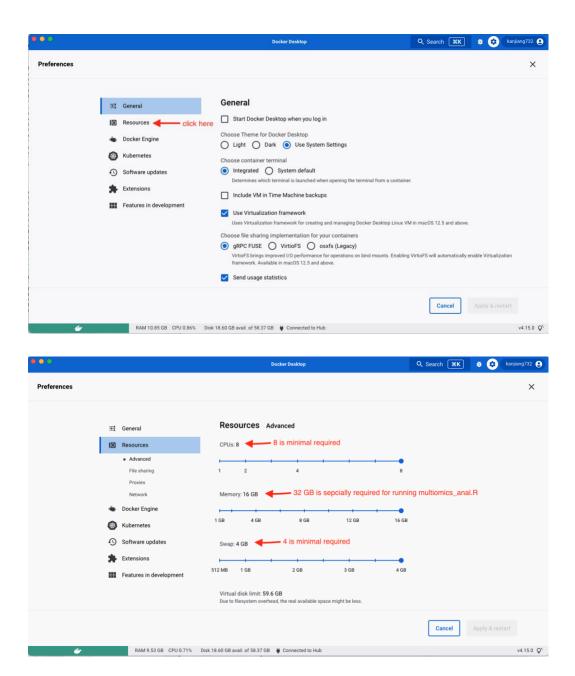
docker pull holyone70/mesoderm\_pipeline:mesoderm\_pipeline

```
Last login: Wed Dec 28 11:35:31 on ttys001
The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.

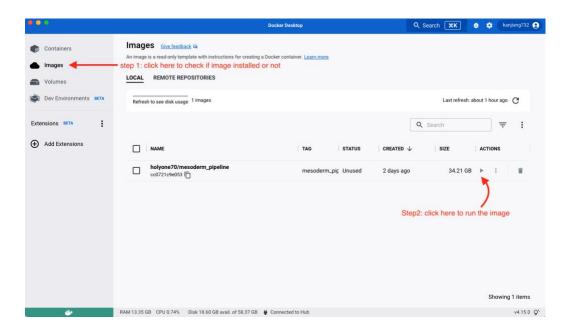
[(base) NIAMS02150097A: ji.gk$ docker pull holyone70/mesoderm_pipeline:mesoderm_pipeline
mesoderm_pipeline: Pulling from holyone70/mesoderm_pipeline
6e3729cf69e0: Pull complete
38ca03cb4341: Pull complete
391772febd46: Pull complete
99e045fd6f13: Pull complete
186a2b35b41b: Pull complete
c0759ba74bbb: Pull complete
b1f27ab4e668: Pull complete
1027de734881: Pull complete
de9a3d7eb990: Pull complete
a6af7decf098: Pull complete
Digest: sha256:6f34177b354d244a277a5faf07a263abc38085f632cbc04283c8234d6de6480d
Status: Downloaded newer image for holyone70/mesoderm_pipeline:mesoderm_pipeline
docker.io/holyone70/mesoderm_pipeline:mesoderm_pipeline
(base) NIAMS02153997A:~ jiangk$
```

3. Resources assigned are required before running the dock image.

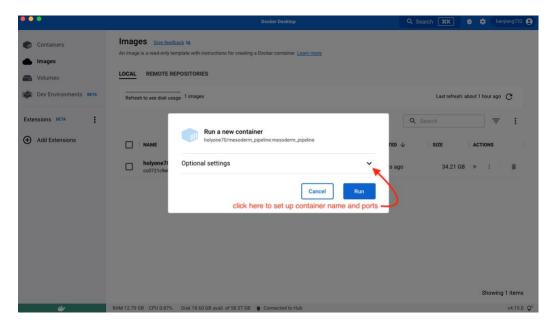


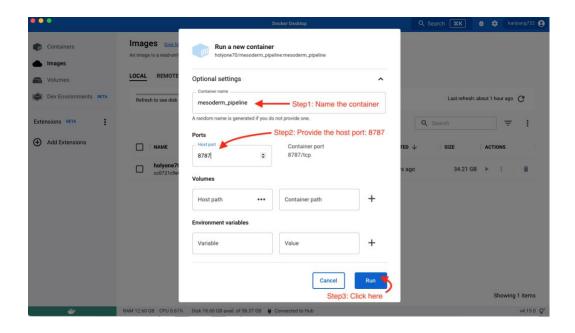


4. Run Docker Desktop, check the docker image to download and run the docker image

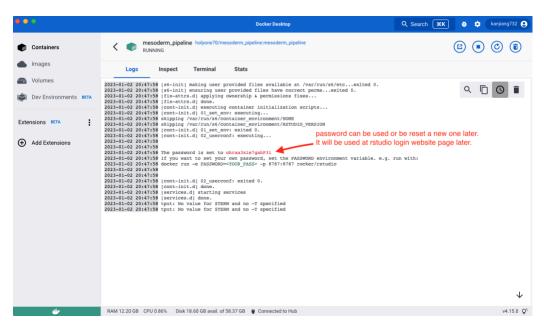


5. Setting up the container name and ports

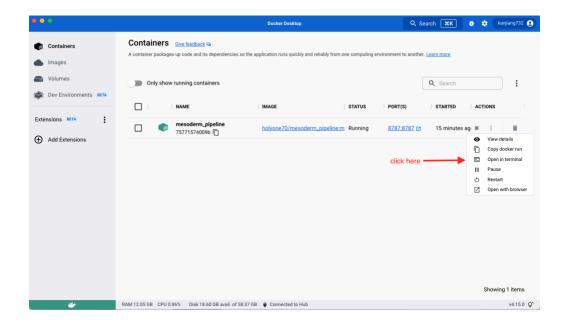




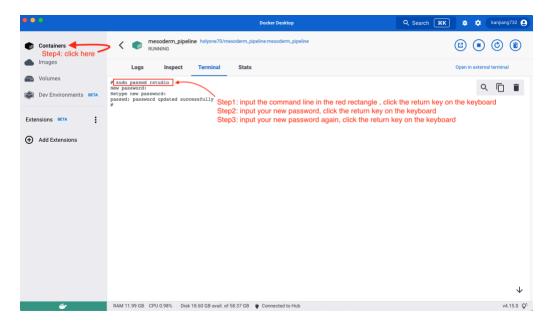
Output will be shown as below:



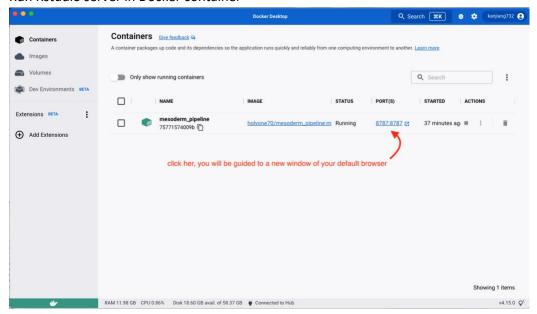
6. Reset the password for log in Rstudio server. The username: rstudio



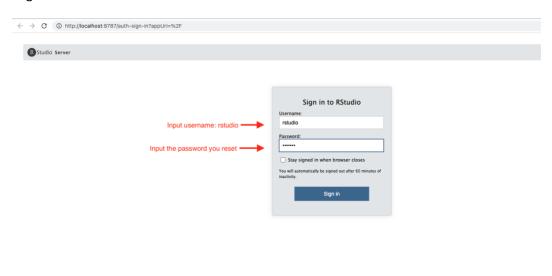
## Command line: sudo passwd rstudio



7. Run Rstudio server in Docker container



8. Login Rstudio server



9. Start to run the R script selected

