Docker Pull:

1.Python:

Pull Cmd: Docker pull python

Execution: Docker run -it python

2.Ubuntu:

Pull Cmd: Docker pull ubuntu

Execution: docker run -it ubuntu

3.MySQL:

Pull Cmd: docker pull mysql

Execution: docker run --name mysql-xyz -e MYSQL\_ROOT\_PASSWORD=sar -d mysql:latest

Docker exec -it mysql-xyz bash

4.Mongo:

Pull Cmd: docker pull mongo

Execution: docker run --name mongo-xyz -d -p 27017:27017 mongo

Docker exec -it mongo-sar mongosh

Custom Container:

Docker push:

1)Python (create a folder named python on dsktp)

Create app.py, dockerfile, requirements.txt(empty)

App.py:

print("Hello")

Docker file:

|  |
| --- |
| FROM python:3.9  WORKDIR /app  COPY . /app  RUN pip install --no-cache-dir -r requirements.txt  CMD ["python","app.py"] |

In terminal:

Docker build -t python .

Docker tag python dkrusrnme/python

Docker push dkrusrnme/python

Docker run dkrusrnme/python

Node wale:

1. Create folder named reactapp
2. Open in vscode
3. Create Dockerfile in my-vite-app

|  |
| --- |
| 1. FROM node:18-alpine 2. WORKDIR /app 3. COPY package\*.json ./ 4. RUN npm install 5. COPY . . 6. EXPOSE 5173 7. CMD ["npm","run","dev","--","--host","0.0.0.0"] |

TERMINAL COMMANDS:

1. Npm create vite@latest my-vite-app –template react
2. Select react n javascript
3. Cd my-vite-app
4. Npm install
5. Npm run dev
6. Docker build -t my-vite-app .
7. Docker tag my-vite-app dkrusrnme/my-vite-app
8. Docker push dkrusrnm/my-vite-app

Lambda Code:

|  |
| --- |
| import json  def lambda\_handler(event, context):      length=event['length']      width=event['width']      area=length\*width      data={          "area":area      }      return json.dumps(data) |