Docker 101

Basic Docker Commands

- `docker ps` for listing running containers
- `docker pull <image>:<tag>` for downloading image
- `docker run -t -d --name <name> <image>:<tag>` create a container that allocates pseudo terminal and with given name
- `docker exec -it <name> <command>` login to container

RULE #1

you can not bind ports after creation of container

Dockerfile

For creating images form

```
FROM node:lts-alpine

WORKDIR /app-folder

COPY app/ .

RUN npm install

RUN npm run build

CMD ["npm", "start"]
```

docker-compose

```
version: '3.8'
services:
    react-app:
      build: .
      container_name: test
      ports:
        - 3000:3000
```

```
docker compose up
```