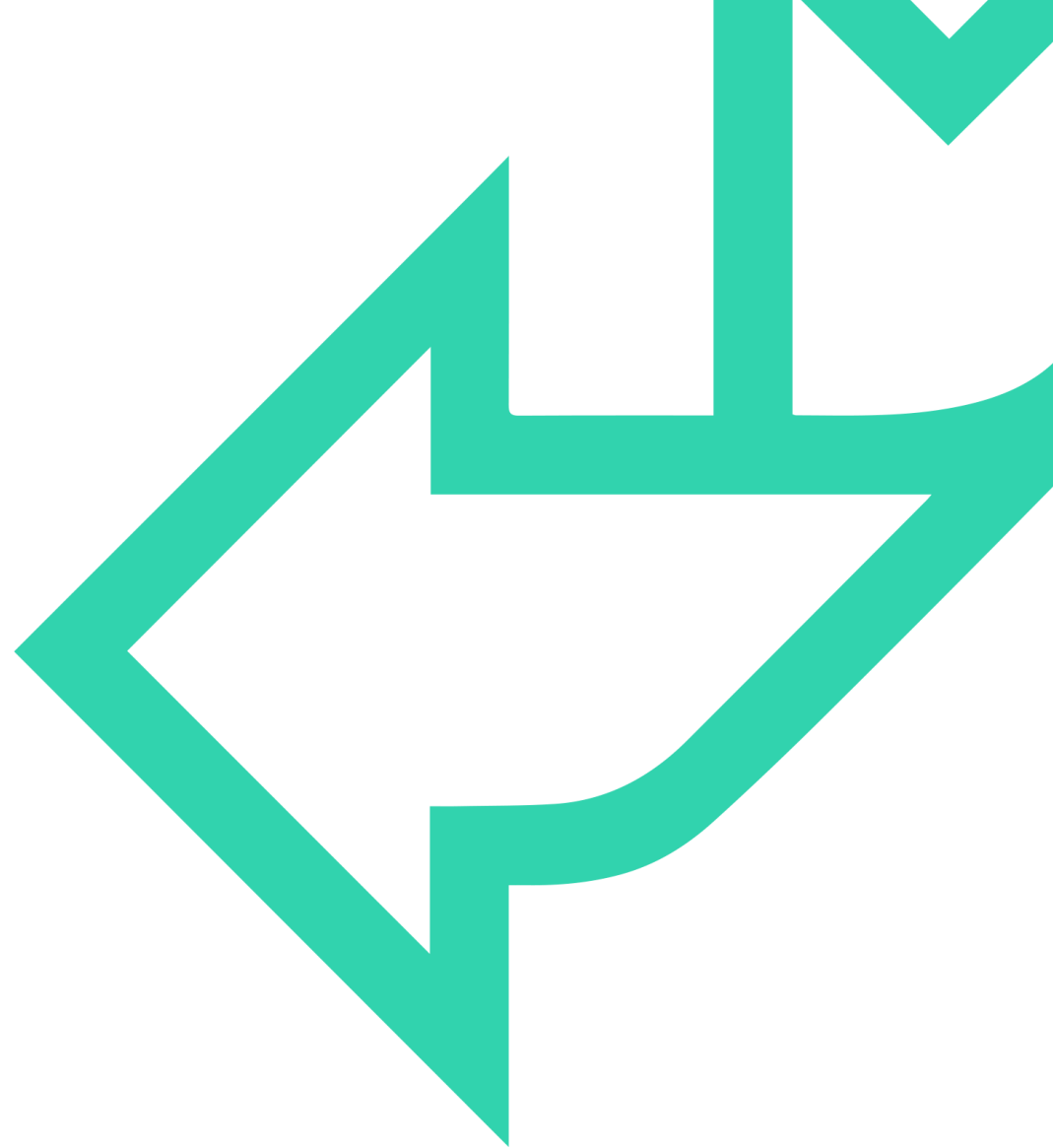




Dockerfile

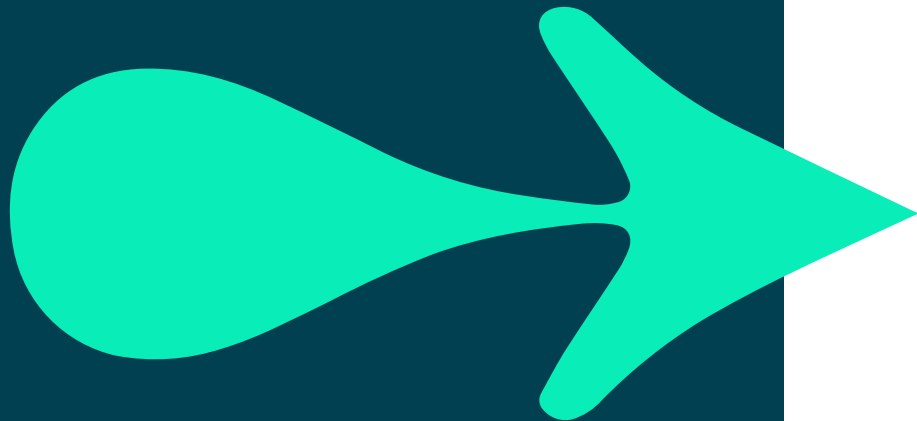




DOCKERFILE

We can create **custom** Containers using any template **images** and any other instructions with a **Dockerfile**

Is a type of file (no extension) that is read by Docker and contains specific instructions to build a container



Dockerfile Intermediate Instructions

Dockerfile offer a large library of commands to configure your environment

Generally, a Dockerfile will have at least four commands in Key Value format.

The file **MUST** start with a **FROM** and generally the final process is **ENTRYPOINT**.

Command	Description
FROM	Base image, what to build image starting from
RUN	Execute a specific command on container
CMD	Defines the main process OR default vars for ENTRYPOINT
ENTRYPOINT	Main process for the container to run on start up
LABEL	Metadata for the image
EXPOSE	The ports the container listens on (Only documents, doesn't actually use this port)
ENV	Sets an Environment variable
COPY	Copies files into the image
ADD	Copies files (can take in a URL)
WORKDIR	Sets the working directory for RUN, CMD, ENTRYPOINT, COPY, ADD
ARG	Defines variables for use in build time



LAB



Please do the following labs

2.1-Dockerizing a Node Using DockerFile.docx

And

2.2-Docker MySQL Using DockerFiles.docx