

Dockerfile Explanation:

FROM: Here, we can mention which software is needed to run the application. The **FROM** command will install the mentioned software. It specifies the base(parent) image.

RUN: The **RUN** command is used to run the Linux commands. You can use multiple **RUN** commands. Used to install packages into container, create folders, etc

COPY: The **COPY** command is used to copy files from the local computer to the Docker image. The first parameter is the local computer file path. The second parameter is the Docker image file path. Copies files and directories to the container. Syntax-**COPY** /[source]/[destination]

ADD: Copies files and directories to the container. Can unpack compressed files. It lets you use URL location and unzip files into image. Syntax-**ADD** /[source]/[destination]

WORKDIR: Set your current app directory as a working directory using the **WORKDIR** command. It is an optional step only. It sets the working directory for the instructions that follow.

CMD: The **CMD** command is used to start the application. provides a command and arguments for an executing container. There can be only one **CMD**.

ENV: Sets environment variable. We can have multiple variables in a single Dockerfile. Syntax-**ENV** key value

EXPOSE: expose ports