

1. **Instructions:** Dockerfile consists of a series of instructions, each specifying a particular operation to be performed during the image build process.
2. **Comments:** Comments in a Dockerfile start with the `#` character and continue to the end of the line. They are used to document the Dockerfile and provide explanations for specific instructions.
3. **Directives:** Directives are instructions that control the behavior of the Docker build process. They include:
 - a. **ARG** - Defines a build-time variable that can be passed to the Docker build command using the `--build-arg` option.
 - b. **FROM** - Specifies the base image to use for building the new image.
 - c. **LABEL** - Adds metadata to the image in the form of key-value pairs. Labels provide information such as version, description, maintainer, etc.
 - d. **USER** - Sets the user or UID (user identifier) that the container should run as when executing commands.
 - e. **WORKDIR** - Sets the working directory inside the container where subsequent commands will be executed.
 - f. **VOLUME** - Creates a mount point and marks it as externally mounted volumes from the container.
 - g. **EXPOSE** - Specifies the network ports that the container listens on at runtime. It doesn't actually publish the ports, but it documents which ports should be published.
 - h. **ENV** - Sets environment variables that will be available to subsequent RUN commands during the image build process and to the containers at runtime.
 - i. **ADD** - Copies files, directories, or remote URLs from the source to the destination in the container. It's similar to COPY but has additional capabilities such as auto-extracting compressed files and fetching remote resources.
 - j. **COPY** - Copies files or directories from the host machine into the container.
 - k. **RUN** - Executes shell commands or scripts inside the container during the image build process.
 - l. **CMD** - Specifies the default command to run when a container based on the image is started.
 - m. **ENTRYPOINT** - Specifies the executable or script that should be run when the container starts. It's often used in conjunction with CMD to define the main entry point for the container.
 - n. **ONBUILD** - Adds a trigger instruction to be executed when the image is used as the base for another image.