**Docker File**

Dockerfile is file which will have instructions to create an image. Docker will process these commands from top to bottom. We will use Docker DSL (Domain Specific Langauage) keywords in docker file.

**FROM**

Base image on top of it we can create our own image

Eg:

FROM tomcat:<version>

FROM <own Repository>/<imagename>

**MAINTAINER**

Author/ower of the docker file/image

Eg:

MAINTAINER Hari <[hari@gmail.com](mailto:hari@gmail.com)>

**COPY**

It is used to copy files to image while creating an image

Eg:

COPY <source> <Destination>

**ADD**

ADD can copy local files and also it can download files from remote http(s) locations while creating an image. If we are adding or downloading tar files (\*.tar) it will add and also it will extract that file in image.

Eg:

ADD <SourceFilePath> <DestinationFilePath>

ADD <https://mirrors.estointernet.in/apache/v9.0.41/bin/apache-tomcat-9.0.41.tar> .

**RUN**

It is used to execute linux commands, it will be executed while creating an image

Use Case: RUN instructions can be used to install/setup required softwares/configurations while creating image.

Eg;

RUN mkdir /app

RUN yum install java

**CMD**

Using CMD we can execute commands. CMD instruction/command will be executed while creating a container.

Use Case: CMD can be used to start the process (Application) inside container. while creating a container

**ENTRYPOINT**

It instruction also will be executed while creating a container, we can set an entry point(command) for our container which we want to execute.