**ADD VS COPY**

chandinik@LAPTOP-UJ5GD8G0:~$ nano Dockerfile

FROM busybox

COPY copy.txt /tmp

ADD add.txt /tmp

CMD ["sh"]

chandinik@LAPTOP-UJ5GD8G0:~$ nano add.txt

chandinik@LAPTOP-UJ5GD8G0:~$ nano copy.txt

chandinik@LAPTOP-UJ5GD8G0:~$ ls -l

total 20

-rw-r--r-- 1 chandinik chandinik 60 Aug 16 17:49 Dockerfile

-rw-r--r-- 1 chandinik chandinik 18 Aug 16 17:52 add.txt

-rw-r--r-- 1 chandinik chandinik 13 Aug 16 17:53 copy.txt

drwxr-xr-x 2 chandinik chandinik 4096 Aug 16 17:21 demo

-rw-r--r-- 1 chandinik chandinik 3817 Jul 28 22:19 gpg

chandinik@LAPTOP-UJ5GD8G0:~$ docker build -t demobusybox .

Sending build context to Docker daemon 27.65kB

Step 1/4 : FROM busybox

---> 018c9d7b792b

Step 2/4 : COPY copy.txt /tmp

---> 41696107936f

Step 3/4 : ADD add.txt /tmp

---> 2c074b13f6f0

Step 4/4 : CMD ["sh"]

---> Running in 03021938ead5

Removing intermediate container 03021938ead5

---> 9b1c8824350b

Successfully built 9b1c8824350b

Successfully tagged demobusybox:latest

chandinik@LAPTOP-UJ5GD8G0:~$ docker container run -dt --name demobusybox 9b1c8824350b

58dd99d58b67b246bf426bcc5757a3b334d0e0b00fc8813bdc5143d312e2f5a1

chandinik@LAPTOP-UJ5GD8G0:~$ cat Dockerfile

FROM busybox

COPY copy.txt /tmp

ADD add.txt /tmp

CMD ["sh"]

chandinik@LAPTOP-UJ5GD8G0:~$ docker container exec -it demobusybox sh

/ # cd /tmp

/tmp # ls -l

total 8

-rw-r--r-- 1 root root 18 Aug 16 12:22 add.txt

-rw-r--r-- 1 root root 13 Aug 16 12:23 copy.txt

/tmp # ^C

/tmp # exit

chandinik@LAPTOP-UJ5GD8G0:~$ touch compress.txt

chandinik@LAPTOP-UJ5GD8G0:~$ tar -czvf compress.tar.gz compress.txt

compress.txt

chandinik@LAPTOP-UJ5GD8G0:~$ ls -l

total 24

-rw-r--r-- 1 chandinik chandinik 60 Aug 16 17:55 Dockerfile

-rw-r--r-- 1 chandinik chandinik 18 Aug 16 17:52 add.txt

-rw-r--r-- 1 chandinik chandinik 123 Aug 16 18:09 compress.tar.gz

-rw-r--r-- 1 chandinik chandinik 0 Aug 16 18:09 compress.txt

-rw-r--r-- 1 chandinik chandinik 13 Aug 16 17:53 copy.txt

drwxr-xr-x 2 chandinik chandinik 4096 Aug 16 17:21 demo

-rw-r--r-- 1 chandinik chandinik 3817 Jul 28 22:19 gpg

chandinik@LAPTOP-UJ5GD8G0:~$ nano Dockerfile

FROM busybox

COPY copy.txt /tmp

ADD add.txt /tmp

ADD compress.tar.gz /tmp

CMD ["sh"]

chandinik@LAPTOP-UJ5GD8G0:~$ docker build -t demobusybox02 .

Sending build context to Docker daemon 29.18kB

Step 1/5 : FROM busybox

---> 018c9d7b792b

Step 2/5 : COPY copy.txt /tmp

---> Using cache

---> 41696107936f

Step 3/5 : ADD add.txt /tmp

---> Using cache

---> 2c074b13f6f0

Step 4/5 : ADD compress.tar.gz /tmp

---> bd491722eaba

Step 5/5 : CMD ["sh"]

---> Running in ab869a5c4d28

Removing intermediate container ab869a5c4d28

---> f7a81e4694f2

Successfully built f7a81e4694f2

Successfully tagged demobusybox02:latest

chandinik@LAPTOP-UJ5GD8G0:~$ docker container run -dt --name demobusybo02 demobusybox02

chandinik@LAPTOP-UJ5GD8G0:~$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

ca199d4eadd0 demobusybox02 "sh" 33 seconds ago Up 30 seconds demobusybo02

58dd99d58b67 9b1c8824350b "sh" 14 minutes ago Up 14 minutes demobusybox

dd416ec6e254 11f392f2c1c5 "/bin/sh -c 'nginx -…" 45 minutes ago Up 45 minutes 0.0.0.0:8001->80/tcp mycustomnginx

3cfedcdbc791 ubuntu "/bin/bash" About an hour ago Up About an hour 0.0.0.0:80->80/tcp mynginx

chandinik@LAPTOP-UJ5GD8G0:~$ docker container exec -it demobusybo02 sh

/ # cd /tmp

/tmp # ls

add.txt compress.txt copy.txt

/tmp # ls -l

total 8

-rw-r--r-- 1 root root 18 Aug 16 12:22 add.txt

-rw-r--r-- 1 1000 1000 0 Aug 16 12:39 compress.txt

-rw-r--r-- 1 root root 13 Aug 16 12:23 copy.txt

/tmp #