chandinik@LAPTOP-UJ5GD8G0:~$ nano Dockerfile

FROM busybox

HEALTHCHECK --interval=5s CMD ping -c 1 172.17.0.2

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

Sending build context to Docker daemon 29.18kB

Step 1/2 : FROM busybox

---> 018c9d7b792b

Step 2/2 : HEALTHCHECK --interval=5s CMD ping -c 1 172.17.0.2

---> Running in c24e40191b82

Removing intermediate container c24e40191b82

---> a65d63532ec1

Successfully built a65d63532ec1

Successfully tagged monitoring:latest

chandinik@LAPTOP-UJ5GD8G0:~$ docker container run -dt --name monitor monitoring sh

07761917b65ff3fa39858c8142d633737e0ac835b6dc18897e302ad7838ad8f5

chandinik@LAPTOP-UJ5GD8G0:~$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

07761917b65f monitoring "sh" 35 seconds ago Up 32 seconds (healthy) monitor

62570492e430 busybox "sh" 5 minutes ago Up 5 minutes busybox1

0a5d88e81a5e nginx "/docker-entrypoint.…" 14 minutes ago Up 14 minutes 80/tcp custom-nginx

f3189a8168d6 nginx "/docker-entrypoint.…" 21 minutes ago Up 21 minutes 80/tcp nginx

ca199d4eadd0 demobusybox02 "sh" 15 hours ago Up 15 hours demobusybo02

58dd99d58b67 9b1c8824350b "sh" 15 hours ago Up 15 hours demobusybox

dd416ec6e254 11f392f2c1c5 "/bin/sh -c 'nginx -…" 16 hours ago Up 16 hours 0.0.0.0:8001->80/tcp mycustomnginx

3cfedcdbc791 ubuntu "/bin/bash" 17 hours ago Up 17 hours 0.0.0.0:80->80/tcp mynginx

**EXIT CODE**

chandinik@LAPTOP-UJ5GD8G0:~$ ping -c1 google.com

PING google.com (172.217.163.174) 56(84) bytes of data.

64 bytes from maa05s05-in-f14.1e100.net (172.217.163.174): icmp\_seq=1 ttl=115 time=15.0 ms

--- google.com ping statistics ---

1 packets transmitted, 1 received, 0% packet loss, time 0ms

rtt min/avg/max/mdev = 15.031/15.031/15.031/0.000 ms

chandinik@LAPTOP-UJ5GD8G0:~$ echo $?

0

chandinik@LAPTOP-UJ5GD8G0:~$ ping -c1 172.17.0.12

PING 172.17.0.12 (172.17.0.12) 56(84) bytes of data.

^C

--- 172.17.0.12 ping statistics ---

1 packets transmitted, 0 received, 100% packet loss, time 0ms

chandinik@LAPTOP-UJ5GD8G0:~$ echo $?

1

**WORKDIR**

**Dockerfile - Demo Code 1:**

1. FROM busybox
2. RUN mkdir -p /root/demo
3. WORKDIR /root/demo
4. RUN touch file01.txt
5. CMD ["/bin/sh"]

**Demo Code 2:**

1. FROM busybox
2. RUN mkdir -p /root/demo/context1/context2
3. WORKDIR /root/demo
4. WORKDIR context1
5. WORKDIR context2
6. RUN touch file01.txt
7. CMD ["/bin/sh"]