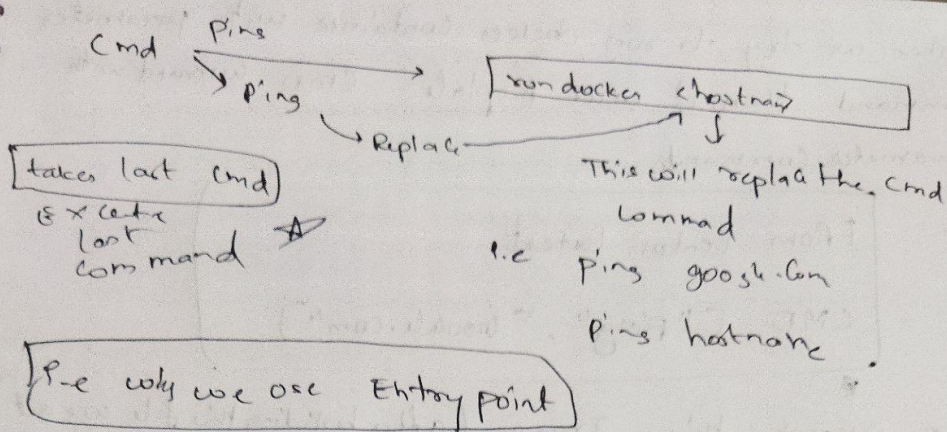


Q4:



Note: Entry point Cascade the command (other parameter)
cmd Replace the command

Q) Difference b/w cmd & Entry point

cmd:- ① If in one file If we have more than one cmd command it execute last cmd command

Ex:-

From centos:latest

```
cmd ["ping", "Google.com"]
```

```
cmd ["ping", "Facebook.com"]
```

It Execute → `ping Facebook.com`

② when we try to run docker container with parameter command then it will replace CMD command with parameter command.

Ex:-

From CentOS: latest
CMD ["ping", "google.com"]

when we run this image (after building this file we get image)

→ `docker run -d --name <name> <imagename> hostname`

it will replace

* CMD ["ping", "google.com"] with hostname

* Entry point *

It will cascade the parameter command instead of replacing it like CMD

Ex:-

From CentOS: latest
ENTRYPOINT ["echo", "Hello world"]

run this image (after building we get image)

→ `docker run -d --name <name> <imagename> Rakesh Kumar`

it will be

→ Hello world Rakesh Kumar

← Here it is concatenating both

Note:- If we write both CMD & ENTRYPOINT then
First ENTRYPOINT will Execute

Ex:-

From centos: latest
CMD ["First"]
~~CMD ["ping", "192.168.1.100"]~~
ENTRYPOINT ["echo", "Hello"]

→ Execute 2nd

→ Execute 1st

→ It will Execute like this

→ Hello First

```
Oct 29 18:01
root@localhost:~/files

[root@localhost files]# ls
1.tar 1.txt 2.txt 3.txt 4.txt 5.txt index.html v1.df v2.df v3.df v4.df v5.df v6.df v7.df v8.df
[root@localhost files]# cat v7.df
FROM centos:latest

ENTRYPOINT ["echo","helloall"]

[root@localhost files]# cat v6.df
FROM centos:latest

CMD ["ping","facebook.com"]
CMD ["ping","google.com"]

[root@localhost files]# cat v5.df
FROM centos:latest

CMD ["ping","google.com"]
CMD ["ping","facebook.com"]

[root@localhost files]# cat v8.df
FROM centos:latest

CMD ["zakkas"]
ENTRYPOINT ["echo","Devops"]
[root@localhost files]#
```

```
Oct 29 18:07
root@localhost:~/files

[root@localhost files]# docker images
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
casd                 d1          dbf79cc81eb5  2 hours ago   231MB
entry               e1          291e10d26052  2 hours ago   231MB
cmd2                c2          25f7f2de95e3  2 hours ago   231MB
cmd                 c1          668a72f78cc0  3 hours ago   231MB
volume             v1          307f19d4d54d  4 hours ago   231MB
copyadd            c1          e8dd5b0080de  5 hours ago   231MB
mkdir              m1          ff18e56134ba  6 hours ago   231MB
website            v4          493d31c04ede  23 hours ago   286MB
zerbro             a1          493d31c04ede  23 hours ago   286MB
website            v3          a8bf7e0acf46  23 hours ago   286MB
website            v1          c2881b140f50  27 hours ago   380MB
website            v2          c2881b140f50  27 hours ago   380MB
httpd              latest      1132a4fc88fa  7 days ago    143MB
kharatramesh/pwc   httpd      4cdad75ef38d  7 days ago    380MB
ubuntu             latest      ba6accedd29   13 days ago   72.8MB
nginx              latest      87a94228f133  2 weeks ago   133MB
rakesh1019/website-docker-custome-iange latest      87a94228f133  2 weeks ago   133MB
centos              7          eeb6ee3f44bd  6 weeks ago   204MB
centos             latest      5d0da3dc9764  6 weeks ago   231MB

[root@localhost files]# docker run -d --name prime100 entry:e1 india is my love
63c5cd4079fe41700f8779eedf1d2c5cc3a74b2eca90f4370af4320a16b916fd
[root@localhost files]# docker logs prime100
helloall india is my love
[root@localhost files]#
```

```
Activities  PuTTY SSH Client  Oct 29 18:09
root@localhost:~/files

[root@localhost files]# docker run -d --name prime90 casd:d1 good students
f1492d05a9e75ff1b73e014933c1a452646114d6707ad3e690af351f9c1ef6c8
[root@localhost files]# docker logs prime90
Devops good students
[root@localhost files]#
```

```
Activities  PuTTY SSH Client  Oct 29 18:10
root@localhost:~/files

[root@localhost files]# docker run -d --name prime90 casd:d1 good students
f1492d05a9e75ff1b73e014933c1a452646114d6707ad3e690af351f9c1ef6c8
[root@localhost files]# docker logs prime90
Devops good students
[root@localhost files]# docker run -d --name prime80 casd:d1
2a8766846552fc18391c92b997d822690eaabe54d7c4fdf52df5dd790bec630a
[root@localhost files]# docker logs prime80
Devops zakkas
[root@localhost files]#
```

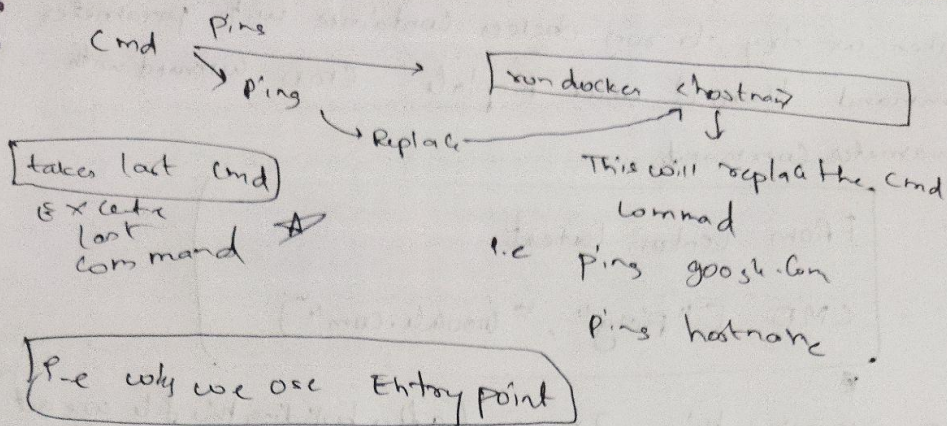
```
Activities PotTY SSH Client Oct 29 18:11 root@localhost:~/files
[root@localhost files]# docker run -d --name prime90 casd:d1 good students
f1492d05a9e75ff1b73e014933c1a452646114d6707ad3e690af351f9c1ef6c8
[root@localhost files]# docker logs prime90
Devops good students
[root@localhost files]# docker run -d --name prime80 casd:d1
2a8766846552fc18391c92b997d822690eaabe54d7c4fdf52df5dd790bec630a
[root@localhost files]# docker logs prime80
Devops zakkas
[root@localhost files]# docker run -d --name prime50 entry:e1
de41626baf239ee3c3f648d951c3f605e421421fca3bdce2578da1d79a36a584
[root@localhost files]# docker logs prime50
helloall
[root@localhost files]#
```

```
Oct 29 18:12
root@localhost:~/files

[root@localhost files]# docker run -d --name prime90 casd:d1 good students
f1492d05a9e75ff1b73e014933c1a452646114d6707ad3e690af351f9c1ef6c8
[root@localhost files]# docker logs prime90
Devops good students
[root@localhost files]# docker run -d --name prime80 casd:d1
2a8766846552fc18391c92b997d822690eaabe54d7c4fdf52df5dd790bec630a
[root@localhost files]# docker logs prime80
Devops zakkas
[root@localhost files]# docker run -d --name prime50 entry:e1
de41626baf239ee3c3f648d951c3f605e421421fca3bdce2578da1d79a36a584
[root@localhost files]# docker logs prime50
helloall
[root@localhost files]# docker run -d --name prime40 cmd2:c2 hostname
3e48047b604cb536be66f6dbf1239b30e917116d4dab07a081a865905ef4f0e
[root@localhost files]# docker logs prime40
3e48047b604c
[root@localhost files]#
```

```
Oct 29 18:13
root@localhost:~/files

[root@localhost files]# docker run -d --name prime50 entry:e1
de41626baf239ee3c3f648d951c3f605e421421fca3bdce2578da1d79a36a584
[root@localhost files]# docker logs prime50
helloall
[root@localhost files]# docker run -d --name prime40 cmd2:c2 hostname
3e48047b604cb536be66f6dbf1239b30e917116d4dab07a081a865905ef4f0e
[root@localhost files]# docker logs prime40
3e48047b604c
[root@localhost files]# docker images
REPOSITORY          TAG         IMAGE ID      CREATED        SIZE
casd                  d1          dbf79cc81eb5  2 hours ago   231MB
entry                e1          291e10d26052  2 hours ago   231MB
cmd2                  c2          25f7f2de95e3  3 hours ago   231MB
cmd                  c1          668a72f78cc0  3 hours ago   231MB
volume               v1          307f19d4d54d  4 hours ago   231MB
copyadd              c1          e8dd5b0080de  5 hours ago   231MB
mkdir                m1          ff18e56134ba  6 hours ago   231MB
website              v4          493d31c04ede  23 hours ago  286MB
zerbro               a1          493d31c04ede  23 hours ago  286MB
website              v3          a8bf7e0acf46  23 hours ago  286MB
website              v1          c2881b140f50  27 hours ago  380MB
website              v2          c2881b140f50  27 hours ago  380MB
httpd                latest      1132a4fc88fa  7 days ago    143MB
kharatramesh/pwc     httpd       4cdad75ef38d  7 days ago    380MB
ubuntu               latest      ba6acccedd29  13 days ago   72.8MB
nginx                latest      87a94228f133  2 weeks ago   133MB
rakesh1019/website-docker-custome-iange latest      87a94228f133  2 weeks ago   133MB
centos                7          eeb6ee3f44bd  6 weeks ago   204MB
centos                latest      5d0da3dc9764  6 weeks ago   231MB
[root@localhost files]#
```

Note: Entrypoint Cascade the Command (other parameter)
Cmd Replace the Command

Q) Difference b/w Cmd & Entrypoint

CMD:- ① If in one File If we have more than one Cmd Command it Execute last Cmd Command

Ex:-

From centos:latest

```
CMD [ "ping", "Google.com" ]
```

```
CMD [ "ping", "Facebook.com" ]
```

It Execute

→ `ping Facebook.com`

② when we try to run docker container with parameter Command then it will Replace CMD Command with parameter Command.

Ex:-

From CentOS: latest
CMD ["ping", "google.com"]

when we run this Image (after building this file we get Image)

→ `docker run -d --name <name> <imagename> hostname`

it will replace

* CMD ["ping", "google.com"] with hostname

* Entry point *

It will Cascade the parameter Command Instead of Replacing it like CMD

Ex:-

From CentOS: latest
ENTRYPOINT ["echo", "Hello world"]

run this Image (after building we get Image)

→ `docker run -d --name <name> <imagename> Rakesh Kumar`

it will be

→ Hello world Rakesh Kumar

Here it is Concatinating both

Note:- If we write both CMD & ENTRYPOINT then
First ENTRYPOINT will Execute

Ex:-

From centos: latest CMD ["First"] CMD ["ping", "192.168.1.100"] ENTRYPOINT ["echo", "Hello"]	→ Execute 2nd
	→ Execute 1st

→ It will Execute like this

→

Hello First

```
Activities PuTTY SSH Client Oct 29 18:01 root@localhost:~/files
[root@localhost files]# ls
1.tar 1.txt 2.txt 3.txt 4.txt 5.txt index.html v1.df v2.df v3.df v4.df v5.df v6.df v7.df v8.df
[root@localhost files]# cat v7.df
FROM centos:latest
ENTRYPOINT ["echo","helloall"]
[root@localhost files]# cat v6.df
FROM centos:latest
CMD ["ping","facebook.com"]
CMD ["ping","google.com"]
[root@localhost files]# cat v5.df
FROM centos:latest
CMD ["ping","google.com"]
CMD ["ping","facebook.com"]
[root@localhost files]# cat v8.df
FROM centos:latest
CMD ["zakkas"]
ENTRYPOINT ["echo","Devops"]
[root@localhost files]#
```

```
Activities PuTTY SSH Client Oct 29 18:07 root@localhost:~/files
[root@localhost files]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
casd d1 dbf79cc81eb5 2 hours ago 231MB
entry e1 291e10d26052 2 hours ago 231MB
cmd2 c2 25f7f2de95e3 2 hours ago 231MB
cmd c1 668a72f78cc0 3 hours ago 231MB
volume v1 307f19d4d54d 4 hours ago 231MB
copyadd c1 e8dd5b0080de 5 hours ago 231MB
mkdir m1 ff18e56134ba 6 hours ago 231MB
website v4 493d31c04ede 23 hours ago 286MB
zerbro a1 493d31c04ede 23 hours ago 286MB
website v3 a8bf7e0acf46 23 hours ago 286MB
website v1 c2881b140f50 27 hours ago 380MB
website v2 c2881b140f50 27 hours ago 380MB
httpd latest 1132a4fc88fa 7 days ago 143MB
kharatramesh/pwc httpd 4cdad75ef38d 7 days ago 380MB
ubuntu latest ba6accedd29 13 days ago 72.8MB
nginx latest 87a94228f133 2 weeks ago 133MB
rakesh1019/website-docker-custome-iange latest 87a94228f133 2 weeks ago 133MB
centos 7 eeb6ee3f44bd 6 weeks ago 204MB
centos latest 5d0da3dc9764 6 weeks ago 231MB
[root@localhost files]# docker run -d --name prime100 entry:e1 india is my love
63c5cd4079fe41700f8779eedf1d2c5cc3a74b2eca90f4370af4320a16b916fd
[root@localhost files]# docker logs prime100
helloall india is my love
[root@localhost files]#
```

```
Activities  PuTTY SSH Client  Oct 29 18:09
root@localhost:~/files

[root@localhost files]# docker run -d --name prime90 casd:d1 good students
f1492d05a9e75ff1b73e014933c1a452646114d6707ad3e690af351f9c1ef6c8
[root@localhost files]# docker logs prime90
Devops good students
[root@localhost files]#
```

```
Activities  PuTTY SSH Client  Oct 29 18:10
root@localhost:~/files

[root@localhost files]# docker run -d --name prime90 casd:d1 good students
f1492d05a9e75ff1b73e014933c1a452646114d6707ad3e690af351f9c1ef6c8
[root@localhost files]# docker logs prime90
Devops good students
[root@localhost files]# docker run -d --name prime80 casd:d1
2a8766846552fc18391c92b997d822690eaabe54d7c4fdf52df5dd790bec630a
[root@localhost files]# docker logs prime80
Devops zakkas
[root@localhost files]#
```



```
Activities PotTY SSH Client Oct 29 18:11 root@localhost:~/files
[root@localhost files]# docker run -d --name prime90 casd:d1 good students
f1492d05a9e75ff1b73e014933c1a452646114d6707ad3e690af351f9c1ef6c8
[root@localhost files]# docker logs prime90
Devops good students
[root@localhost files]# docker run -d --name prime80 casd:d1
2a8766846552fc18391c92b997d822690eaabe54d7c4fdf52df5dd790bec630a
[root@localhost files]# docker logs prime80
Devops zakkas
[root@localhost files]# docker run -d --name prime50 entry:e1
de41626baf239ee3c3f648d951c3f605e421421fca3bdce2578da1d79a36a584
[root@localhost files]# docker logs prime50
helloall
[root@localhost files]#
```

```
Oct 29 18:12
root@localhost:~/files

[root@localhost files]# docker run -d --name prime90 casd:d1 good students
f1492d05a9e75ff1b73e014933c1a452646114d6707ad3e690af351f9c1ef6c8
[root@localhost files]# docker logs prime90
Devops good students
[root@localhost files]# docker run -d --name prime80 casd:d1
2a8766846552fc18391c92b997d822690eaabe54d7c4fdf52df5dd790bec630a
[root@localhost files]# docker logs prime80
Devops zakkas
[root@localhost files]# docker run -d --name prime50 entry:e1
de41626baf239ee3c3f648d951c3f605e421421fca3bdce2578da1d79a36a584
[root@localhost files]# docker logs prime50
helloall
[root@localhost files]# docker run -d --name prime40 cmd2:c2 hostname
3e48047b604cb536be66f6dbf1239b30e917116d4dab07a081a865905ef4f0e
[root@localhost files]# docker logs prime40
3e48047b604c
[root@localhost files]#
```

```
Oct 29 18:13
root@localhost:~/files

[root@localhost files]# docker run -d --name prime50 entry:e1
de41626baf239ee3c3f648d951c3f605e421421fca3bdce2578da1d79a36a584
[root@localhost files]# docker logs prime50
helloall
[root@localhost files]# docker run -d --name prime40 cmd2:c2 hostname
3e48047b604cb536be66f6dbf1239b30e917116d4dab07a081a865905ef4f0e
[root@localhost files]# docker logs prime40
3e48047b604c
[root@localhost files]# docker images
REPOSITORY          TAG         IMAGE ID      CREATED        SIZE
casd                  d1          dbf79cc81eb5  2 hours ago   231MB
entry                e1          291e10d26052  2 hours ago   231MB
cmd2                  c2          25f7f2de95e3  3 hours ago   231MB
cmd                   c1          668a72f78cc0  3 hours ago   231MB
volume               v1          307f19d4d54d  4 hours ago   231MB
copyadd              c1          e8dd5b0080de  5 hours ago   231MB
mkdir                m1          ff18e56134ba  6 hours ago   231MB
website              v4          493d31c04ede  23 hours ago  286MB
zerbro               a1          493d31c04ede  23 hours ago  286MB
website              v3          a8bf7e0acf46  23 hours ago  286MB
website              v1          c2881b140f50  27 hours ago  380MB
website              v2          c2881b140f50  27 hours ago  380MB
httpd                latest      1132a4fc88fa  7 days ago    143MB
kharatramesh/pwc     httpd       4cdad75ef38d  7 days ago    380MB
ubuntu               latest      ba6acccedd29  13 days ago   72.8MB
nginx                latest      87a94228f133  2 weeks ago   133MB
rakesh1019/website-docker-custome-iange latest      87a94228f133  2 weeks ago   133MB
centos                7          eeb6ee3f44bd  6 weeks ago   204MB
centos                latest      5d0da3dc9764  6 weeks ago   231MB
[root@localhost files]#
```