Assignment

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Display the date in form pf mm-dd-yy [ENTRYPOINT use case]

Display the pwd to be `/var/log` [CMD and WORKDIR use case]

```
snehal@ubuntu:~/assignment$ sudo docker build -t codemind_docker_assignment_image1:v1 .
Sending build context to Docker daemon  2.048kB
Step 1/3 : FROM ubuntu
 ---> 08d22c0ceb15
Step 2/3 : WORKDIR /var/log
 ---> Running in 1af46cb6827d
Removing intermediate container 1af46cb6827d
 ---> 7f4a0376ad65
Step 3/3 : CMD pwd
 ---> Running in d32916b21b2f
Removing intermediate container d32916b21b2f
 ---> e8cdc5f25de5
Successfully built e8cdc5f25de5
Successfully tagged codemind_docker_assignment_image1:v1
snehal@ubuntu:~/assignment$ sudo docker images
REPOSITORY                          TAG       IMAGE ID       CREATED         SIZE
codemind_docker_assignment_image1   v1        e8cdc5f25de5   13 seconds ago  77.8MB
codemind_docker_assignment_image    v1        b86c8ea0a263   9 minutes ago   77.8MB
nginx                               latest    080ed0ed8312   10 hours ago    142MB
ubuntu                              latest    08d22c0ceb15   3 weeks ago     77.8MB
hello-world                         latest    feb5d9fea6a5   18 months ago   13.3kB
snehal@ubuntu:~/assignment$ sudo docker run -it --name codemind_docker_assignment_container1 codemind_docker_assignment_image1:v1
/var/log
```

```
snehal@ubuntu:~/assignment$ docker ps
CONTAINER ID    IMAGE       COMMAND     CREATED     STATUS      PORTS       NAMES
snehal@ubuntu:~/assignment$ docker ps -a
CONTAINER ID    IMAGE                                   COMMAND                 CREATED             STATUS                          PORTS       NAMES
93227914f5b3    codemind_docker_assignment_image1:v1    "/bin/sh -c pwd"        About a minute ago  Exited (0) About a minute ago               codemind_docker_assignment_container1
18bbe72340d7    codemind_docker_assignment_image:v1     "date +%m-%d-%y"        10 minutes ago      Exited (0) 10 minutes ago                   codemind_docker_assignment_container
fa501c22d8e3    nginx                                   "/docker-entrypoint.…"  2 hours ago         Exited (0) 38 minutes ago                   webserver
864c86782f59    nginx                                   "/docker-entrypoint.…"  2 hours ago         Exited (0) 2 hours ago                      webserver1
41c317ae41d6    nginx                                   "/docker-entrypoint.…"  2 hours ago         Exited (0) 2 hours ago                      magical_sammet
26b1dc4b999a    nginx                                   "/docker-entrypoint.…"  2 hours ago         Exited (0) 2 hours ago                      wevserver1
9b816f0a1c2b    nginx                                   "/docker-entrypoint.…"  3 hours ago         Exited (0) 3 hours ago                      naughty_chaum
7446a7f8ac11    nginx                                   "/docker-entrypoint.…"  3 hours ago         Exited (0) 3 hours ago                      modest_chandrasekhar
f870d0e4aaa3    nginx                                   "/docker-entrypoint.…"  3 hours ago         Created                                     unruffled_herschel
e600b141b7d9    nginx                                   "/docker-entrypoint.…"  3 hours ago         Exited (0) 3 hours ago                      silly_lamarr
0ec71fc3d425    feb5d9fea6a5                            "/hello"                6 days ago          Exited (0) 6 days ago                       awesome_jepsen
snehal@ubuntu:~/assignment$ docker start  codemind_docker_assignment_container1
codemind_docker_assignment_container1
snehal@ubuntu:~/assignment$ docker attach  codemind_docker_assignment_container1
You cannot attach to a stopped container, start it first
snehal@ubuntu:~/assignment$ docker ps
CONTAINER ID    IMAGE       COMMAND     CREATED     STATUS      PORTS       NAMES
snehal@ubuntu:~/assignment$ sudo docker run -it --name codemind_docker_assignment_container2 codemind_docker_assignment_image1:v1 /bin/bash
root@dbce53c8a99d:/var/log# exit
exit
```

Display output of echo $NAME to be CODEMIND [ENV use case]


```
File  Edit  View  Search  Terminal  Help
snehal@ubuntu:~/assignment$ vi Dockerfile
snehal@ubuntu:~/assignment$ sudo docker build -t codemind_docker_assignment_image2:v1 .
[sudo] password for snehal:
Sending build context to Docker daemon  2.048kB
Step 1/2 : FROM ubuntu
 ---> 08d22c0ceb15
Step 2/2 : ENV NAME=codemind
 ---> Running in 98d5c3054547
Removing intermediate container 98d5c3054547
 ---> e3cd85dba14d
Successfully built e3cd85dba14d
Successfully tagged codemind_docker_assignment_image2:v1
snehal@ubuntu:~/assignment$ sudo docker images
REPOSITORY                            TAG        IMAGE ID       CREATED         SIZE
codemind_docker_assignment_image2     v1         e3cd85dba14d   16 seconds ago  77.8MB
codemind_docker_assignment_image1     v1         e8cdc5f25de5   26 minutes ago  77.8MB
codemind_docker_assignment_image      v1         b86c8ea0a263   35 minutes ago  77.8MB
nginx                                 latest     080ed0ed8312   11 hours ago    142MB
ubuntu                                latest     08d22c0ceb15   3 weeks ago     77.8MB
hello-world                           latest     feb5d9fea6a5   18 months ago   13.3kB
snehal@ubuntu:~/assignment$ sudo docker run -it --name codemind_docker_assignment_container3 codemind_docker_assignment_image2:v1 /bin/bash
root@81393e4eee18:/# echo $NAME
codemind
root@81393e4eee18:/#
```

Map a source_code.txt inside the container in a way it should sync the content inside the container at container run time. [VOLUME use case]

```
File  Edit  View  Search  Terminal  Help
[sudo] password for snehal:
Sending build context to Docker daemon  2.048kB
Step 1/4 : FROM ubuntu
 ---> 08d22c0ceb15
Step 2/4 : RUN mkdir myvol
 ---> Running in f0fa7b6d9e3c
Removing intermediate container f0fa7b6d9e3c
 ---> 72322fb96526
Step 3/4 : RUN echo "welcome">/myvol/source_code.txt
 ---> Running in 7f0154722e15
Removing intermediate container 7f0154722e15
 ---> 24d2b5238460
Step 4/4 : VOLUME myvol
 ---> Running in 1c179c51cbd1
Removing intermediate container 1c179c51cbd1
 ---> 890775a90cde
Successfully built 890775a90cde
Successfully tagged codemind_docker_assignment_image3:v1
snehal@ubuntu:~/assignment$ sudo docker images
REPOSITORY                           TAG        IMAGE ID        CREATED          SIZE
codemind_docker_assignment_image3    v1         890775a90cde    12 seconds ago   77.8MB
codemind_docker_assignment_image2    v1         e3cd85dba14d    20 minutes ago   77.8MB
codemind_docker_assignment_image1    v1         e8cdc5f25de5    47 minutes ago   77.8MB
codemind_docker_assignment_image     v1         b86c8ea0a263    55 minutes ago   77.8MB
nginx                                latest     080ed0ed8312    11 hours ago     142MB
ubuntu                               latest     08d22c0ceb15    3 weeks ago      77.8MB
hello-world                          latest     feb5d9fea6a5    18 months ago    13.3kB
snehal@ubuntu:~/assignment$ sudo docker run -it --name codemind_docker_assignment_container4 codemind_docker_assignment_image3:v1 /bin/bash
root@9e2b7707ac82:/# ls
bin  boot  dev  etc  home  lib  lib32  lib64  libx32  media  mnt  myvol  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@9e2b7707ac82:/# cd myvol/
root@9e2b7707ac82:/myvol# ls
source_code.txt
root@9e2b7707ac82:/myvol# cat source_code.txt
welcome
root@9e2b7707ac82:/myvol# exit
```