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Assignment 9

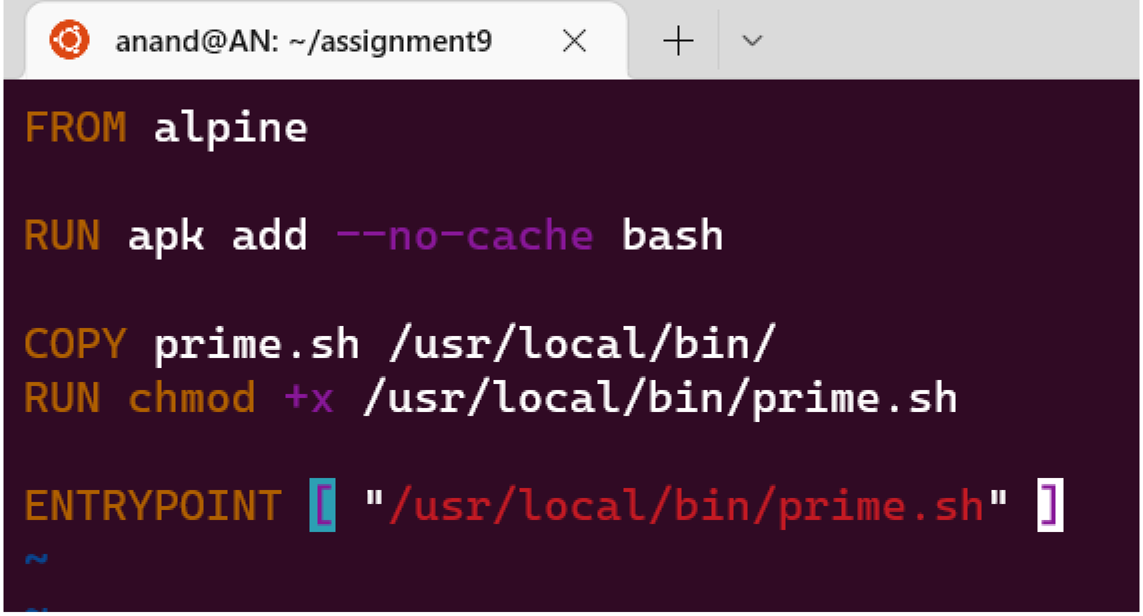
Ques 1: Create a container for the below bash script(**prime.sh**).

1. Create a Dockerfile
2. Create a Docker Image

Find the script from here https://github.com/DARK-art108/Bash-Scripts

Soln:

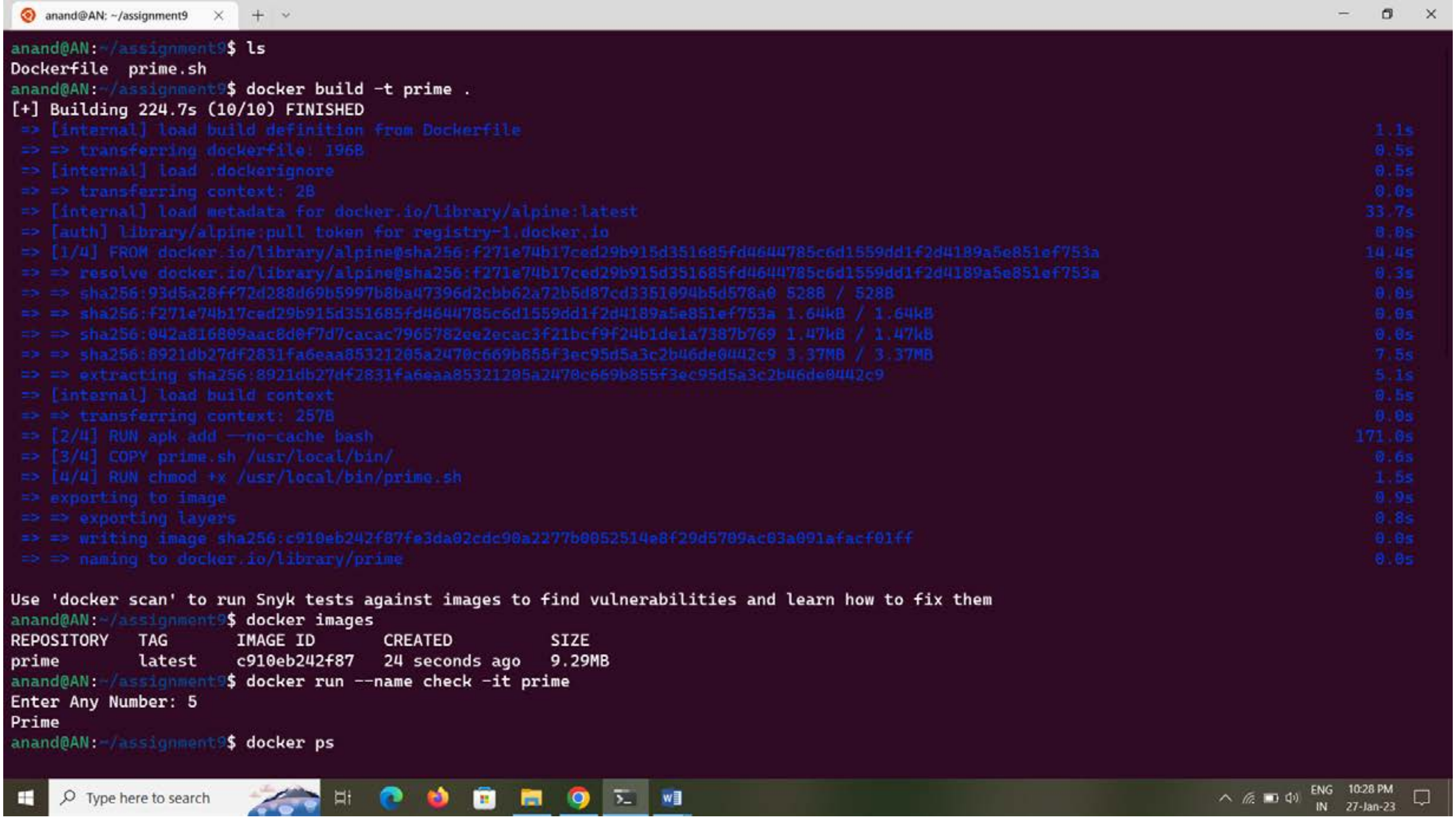
Creating Dockerfile for above script.



```
FROM alpine

RUN apk add --no-cache bash

COPY prime.sh /usr/local/bin/
RUN chmod +x /usr/local/bin/prime.sh

ENTRYPOINT [ "/usr/local/bin/prime.sh" ]
~
```

-Building the above Dockerfile

-Then running the container(check) from the created image(prime)



```
anand@AN:~/assignment9$ ls
Dockerfile  prime.sh
anand@AN:~/assignment9$ docker build -t prime .
[+] Building 224.7s (10/10) FINISHED
 => [internal] load build definition from Dockerfile                                                                                        1.1s
 => => transferring dockerfile: 196B                                                                                                        0.5s
 => [internal] load .dockerignore                                                                                                           0.5s
 => => transferring context: 2B                                                                                                             0.0s
 => [internal] load metadata for docker.io/library/alpine:latest                                                                           33.7s
 => [auth] library/alpine:pull token for registry-1.docker.io                                                                               0.0s
 => [1/4] FROM docker.io/library/alpine@sha256:f271e74b17ced29b915d351685fd4644785c6d1559dd1f2d4189a5e851ef753a                            14.4s
 => => resolve docker.io/library/alpine@sha256:f271e74b17ced29b915d351685fd4644785c6d1559dd1f2d4189a5e851ef753a                             0.3s
 => => sha256:93d5a28ff72d288d69b5997b8ba47396d2cbb62a72b5d87cd3351094b5d578a0 528B / 528B                                                  0.0s
 => => sha256:f271e74b17ced29b915d351685fd4644785c6d1559dd1f2d4189a5e851ef753a 1.64kB / 1.64kB                                              0.0s
 => => sha256:042a816809aac8d0f7d7cacac7965782ee2ecac3f21bcf9f24b1de1a7387b769 1.47kB / 1.47kB                                              0.0s
 => => sha256:8921db27df2831fa6eaa85321205a2470c669b855f3ec95d5a3c2b46de0442c9 3.37MB / 3.37MB                                              7.5s
 => => extracting sha256:8921db27df2831fa6eaa85321205a2470c669b855f3ec95d5a3c2b46de0442c9                                                   5.1s
 => [internal] load build context                                                                                                           0.5s
 => => transferring context: 257B                                                                                                           0.0s
 => [2/4] RUN apk add --no-cache bash                                                                                                     171.0s
 => [3/4] COPY prime.sh /usr/local/bin/                                                                                                     0.6s
 => [4/4] RUN chmod +x /usr/local/bin/prime.sh                                                                                              1.5s
 => exporting to image                                                                                                                      0.9s
 => => exporting layers                                                                                                                     0.8s
 => => writing image sha256:c910eb242f87fe3da02cdc90a2277b0052514e8f29d5709ac03a091afacf01ff                                                0.0s
 => => naming to docker.io/library/prime                                                                                                    0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
anand@AN:~/assignment9$ docker images
REPOSITORY   TAG       IMAGE ID       CREATED          SIZE
prime        latest    c910eb242f87   24 seconds ago   9.29MB
anand@AN:~/assignment9$ docker run --name check -it prime
Enter Any Number: 5
Prime
anand@AN:~/assignment9$ docker ps
```