

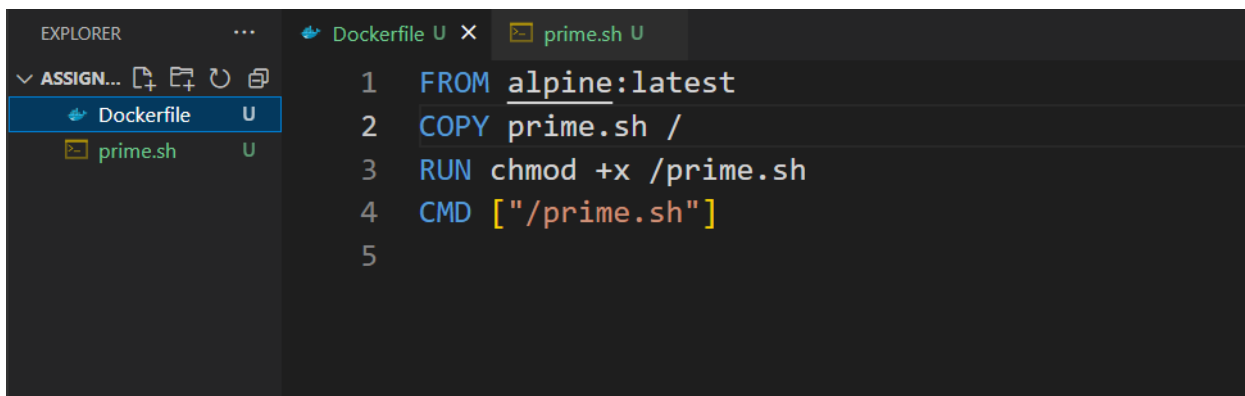
Assignment – 9

1. Create a container for the below bash script(prime.sh).
 1. Create a Dockerfile
 2. Create a Docker Image



A screenshot of a code editor with a dark theme. The Explorer sidebar on the left shows a project named 'ASSIGNMENTNINEDOCKER' containing two files: 'Dockerfile' and 'prime.sh'. The 'prime.sh' file is selected and its content is displayed in the main editor. The script is a bash script that takes a number 'n' as input and checks if it is a prime number. It uses a while loop to iterate from 1 to 'n', and an if statement to check if 'n' is divisible by 'i'. If 'n' is divisible by 'i', it prints 'Not Prime'. Otherwise, it prints 'Prime'.

```
1 #!/usr/bin/env bash
2 echo -n "Enter Any Number: "
3 read -r n
4 i=1; c=1
5 while [ $i -le "$n" ]; do
6     i=$((i + 1))
7     r=$((n % i))
8     [ $r -eq 0 ] && c=$((c + 1))
9 done
10
11 if [ $c -eq 2 ]; then
12     echo "Prime"
13 else
14     echo "Not Prime"
15 fi
```



A screenshot of a code editor with a dark theme. The Explorer sidebar on the left shows a project named 'ASSIGNMENTNINEDOCKER' containing two files: 'Dockerfile' and 'prime.sh'. The 'Dockerfile' file is selected and its content is displayed in the main editor. The Dockerfile contains four instructions: 'FROM alpine:latest', 'COPY prime.sh /', 'RUN chmod +x /prime.sh', and 'CMD ["/prime.sh"]'.

```
1 FROM alpine:latest
2 COPY prime.sh /
3 RUN chmod +x /prime.sh
4 CMD ["/prime.sh"]
5
```

EXPLORER

ASSIGNMENTNINEDOCKER

Dockerfile

prime.sh

Dockerfile U

prime.sh U

```

1 FROM alpine:latest
2 COPY prime.sh /
3 RUN chmod +x /prime.sh
4 CMD ["/prime.sh"]
5

```

PROBLEMS

OUTPUT

TERMINAL

DEBUG CONSOLE

PS D:\Python\DS\docker_files\AssignmentNineDocker> docker build -t prime-script .

[+] Building 3.4s (8/0) FINISHED

-> [internal] load build definition from Dockerfile

-> -> transferring dockerfile: 117B

-> [internal] load .dockerignore

-> -> transferring context: 2B

-> [internal] load metadata for docker.io/library/alpine:latest

-> [internal] load build context

-> -> transferring context: 256B

-> [1/3] FROM docker.io/library/alpine:latest@sha256:f271e74b17ced29b915d351685fd4644785cd1559dd1f2d4189a5e851ef753a

-> CACHED [2/3] COPY prime.sh /

-> CACHED [3/3] RUN chmod +x /prime.sh

-> exporting to image

-> -> exporting layers

-> writing image sha256:e5114b5fef29834df491f865c8b34e885abe52ce3fc5d5ea9165d8a2edfcae

-> naming to docker.io/library/prime-script

0.1s

0.0s

0.1s

0.0s

2.9s

0.1s

0.0s

0.0s

0.0s

0.1s

0.0s

0.0s

> OUTLINE

Use "docker scan" to run Snyk tests against images to find vulnerabilities and learn how to fix them

> TIMELINE

PS D:\Python\DS\docker_files\AssignmentNineDocker>

PS D:\Python\DS\docker_files\AssignmentNineDocker> docker ps

CONTAINER ID

IMAGE

COMMAND

CREATED

STATUS

PORTS

NAMES

PS D:\Python\DS\docker_files\AssignmentNineDocker> docker ps --all

CONTAINER ID

IMAGE

COMMAND

CREATED

STATUS

PORTS

NAMES

a37b109fef16

763a13efafa6

"22"

12 minutes ago

Created

loving_sinoussi

b6d0ec850d2f

763a13efafa6

"[5]"

13 minutes ago

Created

determined_hopper

70386c378adc

763a13efafa6

"/prime.sh"

13 minutes ago

Exited (1) 13 minutes ago

eloquent_chaum

74bbcb144b60

763a13efafa6

"5"

13 minutes ago

Created

eager_ardinghelli

ad8a9909056b

prime-script

"/prime.sh"

14 minutes ago

Exited (127) 14 minutes ago

kind_allen

9d9478c00446

prime-script

"4"

14 minutes ago

Created

angry_wilbur

5f7972aa9ac7

prime-script

"/prime.sh"

16 minutes ago

Exited (127) 16 minutes ago

affectionate_edison

bdb87e44fc02

prime-script

"4"

16 minutes ago

Created

heuristic_dubinsky

a185a8989086

prime-script

"5"

19 minutes ago

Created

trusting_bell

dc02507d30ac

prime-script

"/prime.sh"

19 minutes ago

Exited (127) 19 minutes ago

objective_knuth

9d63de1b54dc

prime-script

"5"

21 minutes ago

Created

hungry_herschel

c405fe795c24

prime-script

"/prime.sh"

21 minutes ago

Exited (127) 21 minutes ago

dazzling_payne

a29d5ff0f215

prime-script:latest

"/prime.sh"

21 minutes ago

Exited (127) 21 minutes ago

vibrant_euclid

8cdb6a85f1a9

prime-script

"/prime.sh"

22 minutes ago

Exited (127) 22 minutes ago

frosty_leakey

0832ad816d84

prime-script

"2"

22 minutes ago

Created

sad_clarke

0624d1d73c2b

prime-script

"/prime.sh"

22 minutes ago

Exited (127) 22 minutes ago

heuristic_booth

c2124b8e5eaf

prime-script

"[4]"

22 minutes ago

Created

friendly_noether

1605b41565d7

prime-script

"/prime.sh"

23 minutes ago

Exited (127) 23 minutes ago

practical_newton

a80980d66c2d

prime-script

"4"

24 minutes ago

Created

kind_proskuriakova

408c41a9cf59

flask-example

"python app.py"

2 weeks ago

Exited (255) 32 minutes ago

0.0.0.0:5000->5000/tcp

silly_lamport

fb43b4dc1cc8

ritesh2000/randomimage:0.0.1

"echo 'Hello World'"

2 weeks ago

Exited (0) 2 weeks ago

nifty_wright

6783a448164a

0700aaa

"/bin/sh"

2 weeks ago

Exited (0) 2 weeks ago

unruffled_wilbur

PS D:\Python\DS\docker_files\AssignmentNineDocker>

prime-script

e5114b5fef29

latest

[In use](#)

24 minutes ago

7.05 MB