

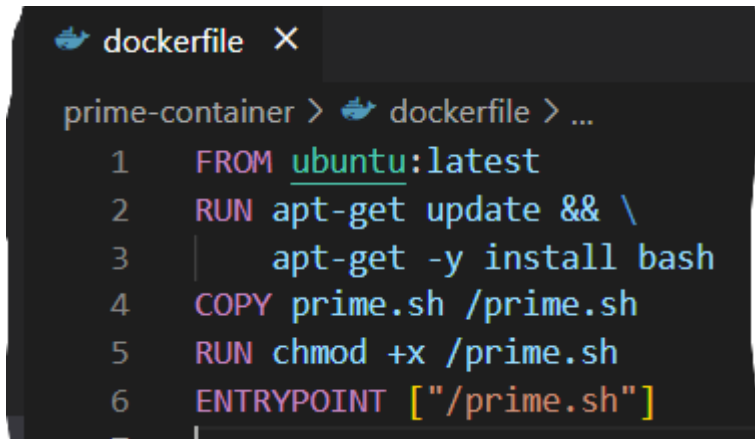
# Assignment 9

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

1. Create a Dockerfile
2. Create a Docker Image

This script prompts the user to enter a number and checks if it's a prime number or not

1. Create a new file called Dockerfile in the same directory and paste the following code in it



```
dockerfile X
prime-container > dockerfile > ...
1 FROM ubuntu:latest
2 RUN apt-get update && \
3     apt-get -y install bash
4 COPY prime.sh /prime.sh
5 RUN chmod +x /prime.sh
6 ENTRYPOINT ["/prime.sh"]
```

2. This Dockerfile creates a new Ubuntu image and installs the bash package. Then it copies the prime.sh script to the image and sets it as the entry point.

3. Build the Docker image using the following command:

**docker build -t prime-container .**

This command builds the Docker image and tags it as prime-container.



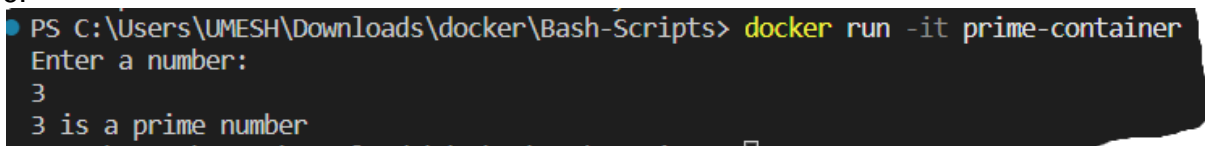
Image	Tag	Created	Size	Actions
prime-container	latest	14 minutes ago	119.46 MB	<a href="#">In use</a> <a href="#">Play</a> <a href="#">More</a> <a href="#">Delete</a>

4. Run the Docker container using the following command:

**docker run -it prime-container**

5. This command runs the Docker container and starts the prime.sh script. You can enter a number in the terminal and the script will tell you if it's a prime number or not.

6.



```
PS C:\Users\UMESH\Downloads\docker\Bash-Scripts> docker run -it prime-container
Enter a number:
3
3 is a prime number
```

