

# docker task 2

Create a dockerfile, file which when build must display your basic details in website

Create a dockerfile

install the docker

```
[root@ip-172-31-8-71 ~]# yum install docker
Last metadata expiration check: 0:01:48 ago on Mon Jul  8 06:09:26 2024.
Dependencies resolved.
=====
Package                                Architecture      Version            Repository          Size
=====
Installing:
docker                                x86_64            25.0.3-1.amzn2023.0.1  amazonlinux         44 M
Installing dependencies:
containerd                            x86_64            1.7.11-1.amzn2023.0.1  amazonlinux          35 M
iptables-libs                         x86_64            1.8.8-3.amzn2023.0.2    amazonlinux          401 k
iptables-nft                         x86_64            1.8.8-3.amzn2023.0.2    amazonlinux          183 k
libcgroup                             x86_64            3.0-1.amzn2023.0.1      amazonlinux          75 k
libnetfilter_conntrack                x86_64            1.0.8-2.amzn2023.0.2    amazonlinux          58 k
libnftnl                             x86_64            1.0.1-19.amzn2023.0.2   amazonlinux          30 k
libnftnl                             x86_64            1.2.2-2.amzn2023.0.2    amazonlinux          84 k
pigz                                  x86_64            2.5-1.amzn2023.0.3      amazonlinux          83 k
runc                                  x86_64            1.1.11-1.amzn2023.0.1   amazonlinux          3.0 M
=====
Transaction Summary
=====
Install 10 Packages

Total download size: 83 M
Installed size: 313 M
Is this ok [y/N]: y
Downloading Packages:
(1/10): iptables-libs-1.8.8-3.amzn2023.0.2.x86_64.rpm           5.1 MB/s | 401 kB   00:00
(2/10): iptables-nft-1.8.8-3.amzn2023.0.2.x86_64.rpm           2.8 MB/s | 183 kB   00:00
(3/10): libcgroup-3.0-1.amzn2023.0.1.x86_64.rpm                2.0 MB/s | 75 kB    00:00
(4/10): libnetfilter_conntrack-1.0.8-2.amzn2023.0.2.x86_64.rpm 3.0 MB/s | 58 kB    00:00
(5/10): libnftnl-1.0.1-19.amzn2023.0.2.x86_64.rpm              1.3 MB/s | 30 kB    00:00
(6/10): libnftnl-1.2.2-2.amzn2023.0.2.x86_64.rpm               2.3 MB/s | 84 kB    00:00
(7/10): pigz-2.5-1.amzn2023.0.3.x86_64.rpm                     2.0 MB/s | 83 kB    00:00
(8/10): runc-1.1.11-1.amzn2023.0.1.x86_64.rpm                  23 MB/s | 3.0 MB    00:00
(9/10): containerd-1.7.11-1.amzn2023.0.1.x86_64.rpm            40 MB/s | 35 MB     00:00
(10/10): docker-25.0.3-1.amzn2023.0.1.x86_64.rpm              35 MB/s | 44 MB     00:01
=====
Total                                                                62 MB/s | 83 MB     00:01
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
```

version :

```
[root@ip-172-31-8-71 ~]# docker -- version
Client:
Version:      25.0.3
API version:  1.44
Go version:   go1.20.12
Git commit:   4deb41
Built:        Mon Feb 12 00:00:00 2024
OS/Arch:     linux/amd64
Context:      default
Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?
[root@ip-172-31-8-71 ~]#
```

creating the docker img:

```
root@ip-172-31-8-71:~# FROM httpd
root@ip-172-31-8-71:~# RUN apt-get update ; apt-get upgrade -y
root@ip-172-31-8-71:~# RUN mkdir my-docker-website
root@ip-172-31-8-71:~# RUN cd my-docker-website
root@ip-172-31-8-71:~# RUN echo "<!DOCTYPE html> <html><head><title>My Details</title></head><body><h1>My Basic Details</h1><p>Name: SIDDIQ KESAVAN S</p><p>Occupation: DEVOPS </p><p>Location: SALEM, TAMIL NADU</p></body></html>" > index.html
root@ip-172-31-8-71:~# CMD ["httpd-foreground"]
root@ip-172-31-8-71:~#
```

```
[root@ip-172-31-8-71 ~]# docker build . -t img
[*] Building 10.9s (9/9) FINISHED
=> [internal] load build definition from dockerfile
=> [internal] load metadata for docker.io/library/httpd:latest
=> [internal] load .dockerignore
=> [internal] transfer context: 2B
=> [1/5] FROM docker.io/library/httpd:latest@sha256:fad0c8311b35c689cf1b94fc4783e735a8e3086aebfe318c4e8e0fa224e9ce1b
=> resolve docker.io/library/httpd:latest@sha256:fad0c8311b35c689cf1b94fc4783e735a8e3086aebfe318c4e8e0fa224e9ce1b
=> sha256:4f4fb700ef54461cf02571ae0db9a0dc1e0c0b5577484a6d75e68dc38e8acc1 32B / 32B
=> sha256:fad0c8311b35c689cf1b94fc4783e735a8e3086aebfe318c4e8e0fa224e9ce1b 10.16kB / 10.16kB
=> sha256:f11cladaa26e078479ccdd45312ea3b88476441b91be0ec898a7e07bf4d05badc 29.13MB / 29.13MB
=> sha256:3bce494dbe9aea8e6e2165231232d90698ec5668932225c0060b9258a1bdd33f 145B / 145B
=> sha256:3acc6a695c377e7b2f2a5f26ad9f6888184935cd32101f57f7f6e84f44ff767c 2.10kB / 2.10kB
=> sha256:c0c20df5e7be79dc8de00a6575529252b684a79b849e8e090517ef451e036966 8.04kB / 8.04kB
=> sha256:0ec6a44b37fe87fee2da34b7470fad1f608fa8c667bbf97d80864bd05876dbe6 4.20MB / 4.20MB
=> sha256:e4822864e3267191b29d1eb525fcdcfdb439557f0b458492a02cdf7ca7c328be 26.04MB / 26.04MB
=> sha256:65dfcad56f214ec88dc54dc831a248d32b14e892488fc415bd26c45a65b4c6 292B / 292B
=> extracting sha256:f11cladaa26e078479ccdd45312ea3b88476441b91be0ec898a7e07bf4d05badc 1.8s
=> extracting sha256:3bce494dbe9aea8e6e2165231232d90698ec5668932225c0060b9258a1bdd33f 0.0s
=> extracting sha256:4f4fb700ef54461cf02571ae0db9a0dc1e0c0b5577484a6d75e68dc38e8acc1 0.0s
=> extracting sha256:0ec6a44b37fe87fee2da34b7470fad1f608fa8c667bbf97d80864bd05876dbe6 0.3s
=> extracting sha256:e4822864e3267191b29d1eb525fcdcfdb439557f0b458492a02cdf7ca7c328be 1.1s
=> extracting sha256:65dfcad56f214ec88dc54dc831a248d32b14e892488fc415bd26c45a65b4c6 0.0s
=> [2/5] RUN apt-get update ; apt-get upgrade -y 4.3s
=> [3/5] RUN mkdir my-docker-website 0.4s
=> [4/5] RUN cd my-docker-website 0.5s
=> [5/5] RUN echo "<!DOCTYPE html> <html><head><title>My Details</title></head><body><h1>My Basic Details</h1><p>Name: SIDDIQ KESAVAN S</p><p>Occupation: DEVOPS </p><p>Location: SALEM, TAMIL NADU</p></body></html>" > index.html 0.5s
=> exporting layers 0.2s
=> writing image sha256:d818fe081637bf445eb7bb3e0c6afadab39668647c9e233a3bb17af0b28184c 0.2s
=> naming to docker.io/library/img 0.0s
```

image creation.

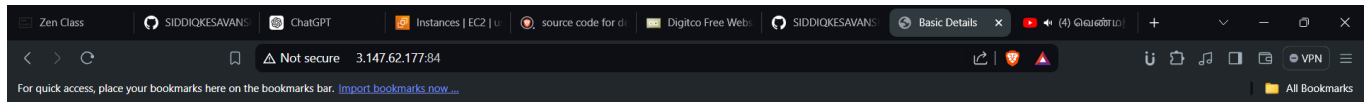
created a docker image:

```
[root@ip-172-31-8-71 ~]# docker image ls
REPOSITORY TAG IMAGE ID CREATED SIZE
img latest d818fe081637 37 seconds ago 171MB
[root@ip-172-31-8-71 ~]#
```

creating the container

```
[root@ip-172-31-8-71 ~]# docker run -d -p 80:80 img  
cd67e9a7c6d46df22494e719bb30cce9dba1b2736f6504776f5238d5ffd9e040  
[root@ip-172-31-8-71 ~]# |
```

output:



## My Basic Details

Name: Siddiq kesavan s

Email: siddiqkesavan@gmail.com

Location: Tamilnadu