

DOCKER ASSIGNMENT 8 :::: Create a Custom Image from a Dockerfile.

FIRST CREATE DOCKER FILE

```
MINGW64/c/Users/SUB/Desktop
SUBDESKTOP-7HFR9BF MINGW64 ~/Desktop
$ ls
'DOCKER ASSIGNMENT 5.pdf' 'DOCKE ASSIGNMENT 6.pdf' 'DOCKE ASSIGNMENT 7.pdf' 'Docker Desktop.lnk' DockerAssignment1.pdf DockerAssignment2.pdf desktop.ini
SUBDESKTOP-7HFR9BF MINGW64 ~/Desktop
$ touch Dockerfile
SUBDESKTOP-7HFR9BF MINGW64 ~/Desktop
$ vim Dockerfile
```

Activate Windows
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WRITE DOCKERFILE

```
MINGW64/c/Users/SUB/Desktop
FROM nginx
COPY . /usr/share/nginx/html
```

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Dockerfile[+] [unix] (15:33 18/03/2024) 2.7 All

CLONE WEBSITE

```
MINGW64:/c/Users/SUB/Desktop/Hello-world

SUB@DESKTOP-7HFR9BF MINGW64 ~/Desktop/Hello-world
$ git clone https://github.com/pro-prodipto/Netflix-Website-Project.git
Cloning into 'Netflix-Website-Project'...
remote: Enumerating objects: 55, done.
remote: Counting objects: 100% (25/25), done.
remote: Compressing objects: 100% (15/15), done.
remote: Total 55 (delta 18), reused 11 (delta 10), pack-reused 30
Receiving objects: 100% (55/55), 17.91 KiB | 8.96 MiB/s, done.
Resolving deltas: 100% (21/21), done.

SUB@DESKTOP-7HFR9BF MINGW64 ~/Desktop/Hello-world
$ |
```

Create image DOCKER FILE

```
MINGW64:/c/Users/SUB/Desktop/Hello-world

SUB@DESKTOP-7HFR9BF MINGW64 ~/Desktop/Hello-world
$ docker build -t staticwebsite .
#0 building with "default" instance using docker driver

#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile:
#1 transferring dockerfile: 77B 0.1s done
#1 DONE 0.2s

#2 [internal] load metadata for docker.io/library/nginx:latest
#2 DONE 2.8s

#3 [internal] load .dockerignore
#3 transferring context: 2B done
#3 DONE 0.1s

#4 [1/2] FROM docker.io/library/nginx:latest@sha256:6db391d1c0cfb30588ba0bf72ea999404f2764feb0f1f196acd5867ac7efa7e
#4 resolve docker.io/library/nginx:latest@sha256:6db391d1c0cfb30588ba0bf72ea999404f2764feb0f1f196acd5867ac7efa7e 0.1s done
#4 sha256:92b1f67642b62bb98e7e49169c346b30e20cd3c1c034d31087e46924b9312e 7.02kB / 7.02kB done
#4 sha256:6db391d1c0cfb30588ba0bf72ea999404f2764feb0f1f196acd5867ac7efa7e 9.85kB / 9.85kB done
#4 sha256:52478f8cd6a142fd462f0a7614a7bb064e969a4c083648235d6943c786df8cc7 2.29kB / 2.29kB done
#4 sha256:8a1e25ce7c4f75e372e9884f8f7b1bedcfe4a7a7d452eb4b0a1c7477c9a90345 0B / 29.12MB 0.1s
#4 sha256:e78b137be3552e1f36d84cb01c533a23febe4c48f6cdf5d5b26a45a636053b 0B / 41.39MB 0.1s
#4 ...

#5 [internal] load build context
#5 transferring context: 60.53kB 0.2s done
#5 DONE 0.3s

#4 [1/2] FROM docker.io/library/nginx:latest@sha256:6db391d1c0cfb30588ba0bf72ea999404f2764feb0f1f196acd5867ac7efa7e
#4 sha256:39fc875bd2b2e4f867e8e5cc5ad43bd5d6650ddeaf8c28b04f3747fbca085f3 0B / 624B 0.3s
#4 sha256:e78b137be3552e1f36d84cb01c533a23febe4c48f6cdf5d5b26a45a636053b 5.24MB / 41.39MB 0.5s
#4 sha256:e78b137be3552e1f36d84cb01c533a23febe4c48f6cdf5d5b26a45a636053b 7.34MB / 41.39MB 0.7s
#4 sha256:8a1e25ce7c4f75e372e9884f8f7b1bedcfe4a7a7d452eb4b0a1c7477c9a90345 2.10MB / 29.12MB 0.8s
#4 sha256:8a1e25ce7c4f75e372e9884f8f7b1bedcfe4a7a7d452eb4b0a1c7477c9a90345 5.24MB
```

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```
MINGW64:/c/Users/SUB/Desktop/Hello-world
SUB@DESKTOP-7HFR9BF MINGW64 ~/Desktop/Hello-world
$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
staticwebsite       latest             e5a4f534ad30       27 seconds ago     187MB
wordpress            latest             2fc2a7b04129       6 weeks ago        739MB
mysql                latest             019814493c7a       8 weeks ago        632MB
hello-world          latest             d2c94e258dcb       10 months ago      13.3kB

SUB@DESKTOP-7HFR9BF MINGW64 ~/Desktop/Hello-world
$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES

SUB@DESKTOP-7HFR9BF MINGW64 ~/Desktop/Hello-world
$ |
```

RUN DOCKER FILE

```
MINGW64:/c/Users/SUB/Desktop/Hello-world
mysql                latest             019814493c7a       8 weeks ago        632MB
hello-world          latest             d2c94e258dcb       10 months ago      13.3kB

SUB@DESKTOP-7HFR9BF MINGW64 ~/Desktop/Hello-world
$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES

SUB@DESKTOP-7HFR9BF MINGW64 ~/Desktop/Hello-world
$ docker run -it -p 8080:80 staticwebsite
the input device is not a TTY. If you are using mintty, try prefixing the comma
nd with 'winpty'

SUB@DESKTOP-7HFR9BF MINGW64 ~/Desktop/Hello-world
$ docker run staticwebsite
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perfo
rm configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-defau
lt.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d
/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf
.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.s
h
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.s
h
/docker-entrypoint.sh: Configuration complete; ready for start up
2024/03/18 10:08:43 [notice] 1#1: using the "epoll" event method
2024/03/18 10:08:43 [notice] 1#1: nginx/1.25.4
2024/03/18 10:08:43 [notice] 1#1: built by gcc 12.2.0 (Debian 12.2.0-14)
2024/03/18 10:08:43 [notice] 1#1: OS: Linux 5.15.133.1-microsoft-standard-WSL2
2024/03/18 10:08:43 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2024/03/18 10:08:43 [notice] 1#1: start worker processes
2024/03/18 10:08:43 [notice] 1#1: start worker process 29
2024/03/18 10:08:43 [notice] 1#1: start worker process 30
2024/03/18 10:08:43 [notice] 1#1: start worker process 31
2024/03/18 10:08:43 [notice] 1#1: start worker process 32
2024/03/18 10:08:43 [notice] 1#1: start worker process 33
2024/03/18 10:08:43 [notice] 1#1: start worker process 34
2024/03/18 10:08:43 [notice] 1#1: start worker process 35
2024/03/18 10:08:43 [notice] 1#1: start worker process 36
2024/03/18 10:08:43 [notice] 1#1: start worker process 37
2024/03/18 10:08:43 [notice] 1#1: start worker process 38
2024/03/18 10:08:43 [notice] 1#1: start worker process 39
2024/03/18 10:08:43 [notice] 1#1: start worker process 40

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```

DOCKER PS

```
MINGW64:/
SUB@DESKTOP-7HFR9BF MINGW64 /
$ docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS      NAMES
8e0bb1bfc5f1   staticwebsite  "/docker-entrypoint..." 38 seconds ago Up 37 seconds 80/tcp      romantic_ganguly
SUB@DESKTOP-7HFR9BF MINGW64 /
$
```