Assignment

on

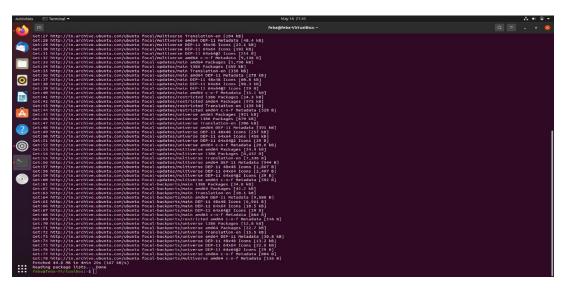# Virtualisation and Containers

DOCKER
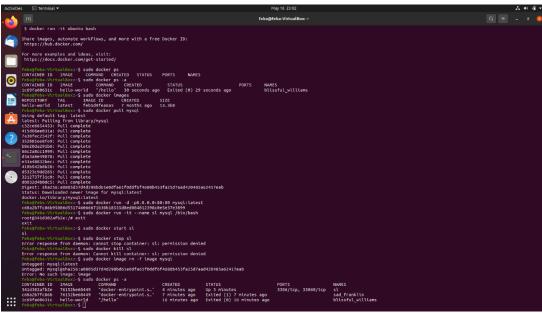
AND

CONTAINER

: INSTALLATION & DEPLOYMENT

Submitted to : Amal sir

Submitted by : Feba Thomas

Submitted on : 21-05-2022

1. Installation of Docker and Container.

2. Deployment of Apache and MySQL in your container.

3. Research & find out how can host your own simple website with it.

feba@feba-VirtualBox: ~/Desktop/website   🔍 ≡ — 🗖 ❌

```
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vimdiff (vimd
iff) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rvim (rvim) i
n auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rview (rview)
 in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vi (vi) in au
to mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/view (view) i
n auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/ex (ex) in au
to mode
Processing triggers for man-db (2.9.1-1) ...
feba@feba-VirtualBox:~$ sudo docker pull httpd
Using default tag: latest
latest: Pulling from library/httpd
214ca5fb9032: Pull complete
7cf31a2eeec6: Pull complete
bf666e57b9f2: Pull complete
c15a4e94ae6b: Pull complete
dc25474c7f97: Pull complete
Digest: sha256:2d1f8839d6127e400ac5f65481d8a0f17ac46a3b91de40b01e649c9a0324dea0
Status: Downloaded newer image for httpd:latest
docker.io/library/httpd:latest
feba@feba-VirtualBox:~$ vim Dockerfile
feba@feba-VirtualBox:~$ cd Desktop/
feba@feba-VirtualBox:~/Desktop$ cd website/
feba@feba-VirtualBox:~/Desktop/website$ vim Dockerfile
feba@feba-VirtualBox:~/Desktop/website$ []
```

feba@feba-VirtualBox: ~/Desktop/website   🔍 ≡ — 🗖 ❌

```
Processing triggers for systemd (245.4-4ubuntu3.15) ...
feba@feba-VirtualBox:~$ sudo snap install docker
docker 20.10.14 from Canonical* installed
feba@feba-VirtualBox:~$ sudo apt install vim
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  vim-runtime
Suggested packages:
  ctags vim-doc vim-scripts
The following NEW packages will be installed:
  vim vim-runtime
0 upgraded, 2 newly installed, 0 to remove and 137 not upgraded.
Need to get 7,110 kB of archives.
After this operation, 34.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 vim-runtime
all 2:8.1.2269-1ubuntu5.7 [5,872 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 vim amd64 2:
8.1.2269-1ubuntu5.7 [1,238 kB]
Fetched 7,110 kB in 5s (1,346 kB/s)
Selecting previously unselected package vim-runtime.
(Reading database ... 156724 files and directories currently installed.)
Preparing to unpack .../vim-runtime_2%3a8.1.2269-1ubuntu5.7_all.deb ...
Adding 'diversion of /usr/share/vim/vim81/doc/help.txt to /usr/share/vim/vim81/
doc/help.txt.vim-tiny by vim-runtime'
Adding 'diversion of /usr/share/vim/vim81/doc/tags to /usr/share/vim/vim81/doc/
tags.vim-tiny by vim-runtime'
```

feba@feba-VirtualBox: ~/Desktop/website

```
FROM httpd
COPY . /usr/local/apache2/htdocs
```

-- INSERT --   2,33   All