Assignment 4.1

Browse to:

tasks/4_microservices_development/day_1_microservices/doc
ker compose example

Next you will:

- Start the system using docker-compose so that it runs in background,
- Visit http://127.0.0.1/ to see WordPress installation panel,
- See the system logs
- Add a PHPMyAdmin service from https://hub.docker.com/r/phpmyadmin/phpmyadmin/ so that you can manage the raw database contents.

In the beginning, we start system using docker compose run the following .yml file

```
*docker-compose.yml

*docker-c
```

After that, we use following command to start the server **docker compose up**

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```
(hase) asamashbul razzákgál. mi-r035: //mektop/day_interservices/docker_compose_examples docker_compose_examples docker_compose_example_shomyadmin-ij) for this project. If you removed or renamed this service in your compose file, you can run this command with the --remove-orphal stage of the common stage
```

for running the server in background, we type the following command $\operatorname{\bf docker}$ $\operatorname{\bf compose}$ $\operatorname{\bf up}$ - $\operatorname{\bf d}$

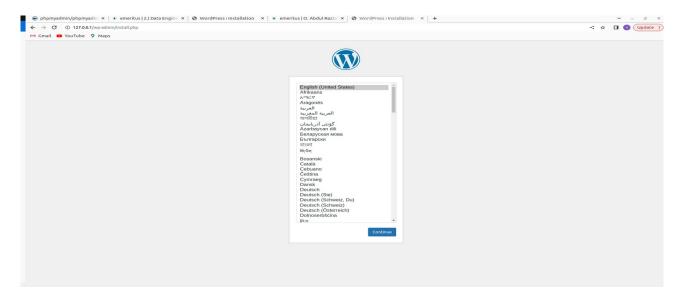
```
(base) osamaabdulrazzak@all-MS-7035:-/Desktop/day_intcroservices/docker_compose_example; docker compose up -d
MARN[G000] Found orphan containers ([docker_compose_example-phpmyadmin-1]) for this project. If you removed or renamed this service in your compose file, you can run this command with the --remove-orpha
s flag to clean ti up.
[3] Suprison 2/?

Container docker_compose_example-wordpress-1 Started

Container docker_compose_example-wordpress-1 Started

0.35
```

then we visit the local host http://127.0.0.1 to see word press installation and by default it was running on 80 port



After that, we down system, using **docker compose down** and add php image to .yml file

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```
Open ~ F
                                                                                                                                                              docker-compose.yml
  1 services:
        db:
image: mariadb:10.6.4-focal
command: '--default-authentication-plugin=mysql_native_password'
                       data:/var/lib/mysql
           environment:
            enVtronment:
- MYSQL_ROOT_PASSWORD=somewordpress
- MYSQL_DATABASE=wordpress
- MYSQL_USER=wordpress
- MYSQL_PASSWORD=wordpress
          expose:
13
14
15
16
17
       wordpress:
            image: wordpress:latest
           volumes:
18
19
20
                  wp_data:/var/www/html
          restart: always
21
22
           environment:

    WORDPRESS_DB_HOST=db
    WORDPRESS_DB_USER=wordpress
    WORDPRESS_DB_PASSWORD=wordpress
    WORDPRESS_DB_NAME=wordpress

23
24
25
26
27 phpmyadmin:
28 image: phpmyadmin
29 restart: always
30
          ports:
- 8080:80
        environment:
- PMA_ARBITRARY=1
34 volumes:
      db data:
```

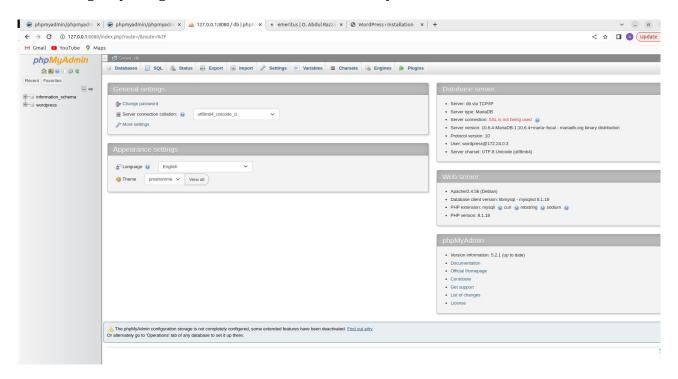
the again we start the server



then we visit local host: http://127.0.0.1:8080/ and it was running on 8080 port



and also login by using credential which was mention in .yml file



Also check the container and images ,which was currently active by using following docker ps

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(base) osamaabdulrazzak@all-MS-7D35:-/Desktop/day_1_microservices/docker_compose_example\$ docker ps						
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
8deb480d4404	wordpress:latest	"docker-entrypoint.s"	6 minutes ago	Up 3 minutes	0.0.0.0:80->80/tcp	docker compose example-wordpress-1
189ab9eeac0b	phpmyadmin	"/docker-entrypoint"	6 minutes ago	Up 3 minutes	0.0.0.0:8080->80/tcp	docker compose example-phpmyadmin-1
f14754b538de	mariadb:10.6.4-focal	"docker-entrypoint.s"	6 minutes ago	Up 3 minutes	3306/tcp	docker compose example-db-1
(hasa) asamaahdul saarakaali MS 7035 - /0asktan/day 1 missaasayi sas/daskas samaasa ayamalas						

also we enter in container and check working directory in container

```
(base) osamaabdulrazzak@all-MS-7035:-/Desktop/day_i_nicroservices/docker_compose_example$ docker exec -it 8deb480d4404 bash rootg@deb480d4404:/var/www/html# ls index.php readme.html wp-admin wp-comments-post.php wp-config-sample.php wp-content wp-includes wp-load.php wp-mail.php wp-signup.php xmlrpc.php license.txt wp-activate.php wp-blog-header.php wp-config-docker.php wp-config.php wp-cron.php wp-links-opml.php wp-login.php wp-settings.php wp-trackback.php rootg@deb480d4404:/var/www/html# exit exit
```

and for your reference, we also provide log file