

# Unit 4.1 Graded Assignment:

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Question :

**Browse to:**

`tasks/4_microservices_development/day_1_microservices/docker_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.

By starting the system and running the commands of

docker compose down (for removing previous dockers container)

docker compose up -d (for creating current dockers container)

we execute our code from link given in Question we get :



## Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

## Information needed

Please provide the following information. Do not worry, you can always change these settings later.

Site Title

Username

Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password

[Hide](#)

Strong

**Important:** You will need this password to log in. Please store it in a secure location.

Your Email

Double-check your email address before continuing.

Search engine  
visibility

☐ Discourage search engines from indexing this site

It is up to search engines to honor this request.

[Install WordPress](#)

this WordPress page .

As per Question Requirement we Run the command **docker compose logs** results given below:

```

(base) muhammadkhan@MS-7035:~/Documents/my_files/day_1_microservices/docker_compose_examples$ docker compose logs
docker_compose_example-db-1 | 2023-05-05 04:23:01+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:10.6.4+maria-focal started.
docker_compose_example-db-1 | 2023-05-05 04:23:01+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
docker_compose_example-db-1 | 2023-05-05 04:23:01+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:10.6.4+maria-focal started.
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] mysqld (server 10.6.4-MariaDB-1:10.6.4+maria-focal) starting as process 1 ...
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: Compressed tables use zlib 1.2.11
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: Number of pools: 1
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: Using crc32 + pclmulqdq instructions
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] mysqld: 0 TMPFILE is not supported on /tmp (disabling future attempts)
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: Using Linux native AIO
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: Initializing buffer pool, total size = 134217728, chunk size = 134217728
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: Completed initialization of buffer pool
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: 128 rollback segments are active.
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: Creating shared tablespace for temporary tables
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: Setting file './ibtmp1' size to 12 MB. Physically writing the file full; Please wait ...
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: File './ibtmp1' size is now 12 MB.
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: 10.6.4 started; log sequence number 42431; transaction id 14
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] Plugin 'FEEDBACK' is disabled.
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: Loading buffer pool(s) from /var/lib/mysql/ib_buffer_pool
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Warning] 'default-authentication-plugin' is MySQL 5.6 / 5.7 compatible option. To be implemented in later versions.
docker_compose_example-db-1 | 2023-05-05 4:23:01 0 [Warning] You need to use --log-bin to make --expire-logs-days or --binlog-expire-logs-seconds work.
docker_compose_example-wordpress-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.25.0.3. Set the 'ServerName' directive globally to suppress this message
docker_compose_example-wordpress-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.25.0.3. Set the 'ServerName' directive globally to suppress this message
docker_compose_example-wordpress-1 | [Fri May 05 04:23:01.528872 2023] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.56 (Debian) PHP/8.0.28 configured -- resuming normal operations
docker_compose_example-wordpress-1 | [Fri May 05 04:23:01.528986 2023] [core:notice] [pid 1] AH00894: Command line: 'apache2 -D FOREGROUND'
docker_compose_example-phpmyadmin-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.25.0.4. Set the 'ServerName' directive globally to suppress this message
docker_compose_example-phpmyadmin-1 | 2023-05-05 4:23:01 0 [Note] Server socket created on IP: '0.0.0.0'.
docker_compose_example-phpmyadmin-1 | 2023-05-05 4:23:01 0 [Note] Server socket created on IP: '::'.
docker_compose_example-phpmyadmin-1 | 2023-05-05 4:23:01 0 [Warning] 'proxies_priv' entry '% root@84100b73b53' ignored in --skip-name-resolve mode.
docker_compose_example-phpmyadmin-1 | 2023-05-05 4:23:01 0 [Note] InnoDB: Buffer pool(s) load completed at 230505 4:23:01
docker_compose_example-phpmyadmin-1 | 2023-05-05 4:23:01 0 [Note] mysqld: ready for connections.
docker_compose_example-phpmyadmin-1 | Version: '10.6.4-MariaDB-1:10.6.4+maria-focal' socket: '/run/mysqld/mysqld.sock' port: 3306 mariadb.org binary distribution
docker_compose_example-phpmyadmin-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.25.0.4. Set the 'ServerName' directive globally to suppress this message
docker_compose_example-phpmyadmin-1 | [Fri May 05 04:23:01.513929 2023] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.56 (Debian) PHP/8.1.18 configured -- resuming normal operations
docker_compose_example-phpmyadmin-1 | [Fri May 05 04:23:01.513968 2023] [core:notice] [pid 1] AH00894: Command line: 'apache2 -D FOREGROUND'
docker_compose_example-phpmyadmin-1 | 172.25.0.1 - - [05/May/2023:04:23:14 +0000] "GET /index.php?route=/ HTTP/1.1" 200 6058 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
docker_compose_example-phpmyadmin-1 | 172.25.0.1 - - [05/May/2023:04:23:30 +0000] "POST /index.php?route=/ HTTP/1.1" 302 1011 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
docker_compose_example-phpmyadmin-1 | 172.25.0.1 - - [05/May/2023:04:23:30 +0000] "GET /index.php?route=/&route=2f HTTP/1.1" 200 18482 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
docker_compose_example-phpmyadmin-1 | 172.25.0.1 - - [05/May/2023:04:23:30 +0000] "POST /index.php?route=/config/get HTTP/1.1" 200 2353 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
docker_compose_example-phpmyadmin-1 | 172.25.0.1 - - [05/May/2023:04:23:30 +0000] "POST /index.php?route=/navigation&ajax_request=1 HTTP/1.1" 200 2918 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
docker_compose_example-phpmyadmin-1 | 172.25.0.1 - - [05/May/2023:04:23:30 +0000] "POST /index.php?route=/config/get HTTP/1.1" 200 2451 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
docker_compose_example-phpmyadmin-1 | 172.25.0.1 - - [05/May/2023:04:23:30 +0000] "POST /index.php?route=/version-check HTTP/1.1" 200 1031 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
docker_compose_example-phpmyadmin-1 | 172.25.0.1 - - [05/May/2023:04:23:30 +0000] "POST /index.php?route=/config/set HTTP/1.1" 200 2348 "-" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
docker_compose_example-phpmyadmin-1 | 172.25.0.1 - - [05/May/2023:04:23:57 +0000] "GET /themes/pmahomme/jquery/images/ui-bg_highlight-soft_75_cccccc_1x100.png HTTP/1.1" 200 406 "http://localhost:8080/themes/pmahomme/jquery/jquery-ui.css" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"

```

by the last instructions of Question I created other Image in main file which were provided for Assignment and make some changes according to task requirements

```

wordpress_db_name=wordpress
phpmyadmin:
  image: phpmyadmin
  restart: always
  ports:
    - 8080:80
  environment:
    - PMA_HOST=db
    - PMA_ARBITRARY=1


```

phpmyadmin is the name of my image

- PMA\_HOST = db (It defines host is mariadb which is mainly used in docker file)
- PMA\_ARBITRARY=1 ( The PMA\_ARBITRARY environment variable is used to allow PHPMYAdmin to connect to any MySQL server, regardless of the host or IP address it's running on.)

# output of upper added code

localhost:8080



Welcome to phpMyAdmin

Language

English

Log in

Server:

Username:

Password:

Log in

phpMyAdmin

Recent Favorites

information\_schema

wordpress

Databases

SQL

Status

Export

Import

Settings

Variables

Charsets

Engines

Plugins

General settings

Change password

Server connection collation: utf8mb4\_unicode\_ci

More settings

Appearance settings

Language: English

Theme: pmahomme

View all

Database server

Server: db via TCP

Server type: Maria

Server connection

Server version: 10

Protocol version: 1

User: wordpress@

Server charset: UT

Web server

Apache/2.4.56 (De

Database client ve

PHP extension: mysql

PHP version: 8.1.18

phpMyAdmin

Version information: 5.2.1 (up to date)

Documentation

Official Homepage

Contribute

Get support

List of changes

License

The phpMyAdmin configuration storage is not completely configured, some extended features have been deactivated. [Find out why.](#)

Or alternately go to 'Operations' tab of any database to set it up there.