Members:

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1. The provided docker-compose file was used and modified to include PHPMyAdmin service which is accessible through port 8080 of the host.
   a. In addition wordpress is accessible though port 80.

```yaml
services:
  db:
    image: mariadb:10.6.4-focal
    command: '--default-authentication-plugin=mysql_native_password'
    volumes:
      - db_data:/var/lib/mysql
    restart: always
    environment:
      - MYSQL_ROOT_PASSWORD=somewordpress
      - MYSQL_DATABASE=wordpress
      - MYSQL_USER=wordpress
      - MYSQL_PASSWORD=wordpress
    expose:
      - 3306
  wordpress:
    image: wordpress:latest
    volumes:
      - wp_data:/var/www/html
    ports:
      - 80:80
    restart: always
    environment:
      - WORDPRESS_DB_HOST=db
      - WORDPRESS_DB_USER=wordpress
      - WORDPRESS_DB_PASSWORD=wordpress
      - WORDPRESS_DB_NAME=wordpress
  phpmyAdmin:
    image: phpmyadmin
    restart: always
    ports:
      - 8080:80
    environment:
      - PMA_ARBITRARY=1

volumes:
  db_data:
  wp_data:
```

2. "docker-compose up" inside the directory where docker-compose.yml file is present was run, which realized the following containers altogether:

```
(base) huzefaanver@all-MS-7D35:~/Downloads/day_1_microservices/docker_compose_example$ docker ps
CONTAINER ID   IMAGE                COMMAND                  CREATED         STATUS         PORTS                                      NAMES
948ca1feb5a4   wordpress:latest     "docker-entrypoint.s…"   2 minutes ago   Up 2 minutes   0.0.0.0:80->80/tcp, :::80->80/tcp          docker_compose_example-wordpress-1
15663637128f   phpmyadmin           "/docker-entrypoint.…"   2 minutes ago   Up 2 minutes   0.0.0.0:8080->80/tcp, :::8080->80/tcp      docker_compose_example-phpmyAdmin-1
578345f4f7f6   mariadb:10.6.4-focal "docker-entrypoint.s…"   2 minutes ago   Up 2 minutes   3306/tcp                                   docker_compose_example-db-1
```

3. Systems logs:
   a. Wordpress logs:

```
(base) huzefaanver@all-MS-7D35:~/Downloads/day_1_microservices/docker_compose_example$ docker logs 948ca1feb5a4
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.23.0.4. Set the 'ServerName' directive globally to suppress this message
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.23.0.4. Set the 'ServerName' directive globally to suppress this message
[Fri May 05 04:55:18.133622 2023] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.54 (Debian) PHP/8.0.26 configured -- resuming normal operations
[Fri May 05 04:55:18.133655 2023] [core:notice] [pid 1] AH00094: Command line: 'apache2 -D FOREGROUND'
```
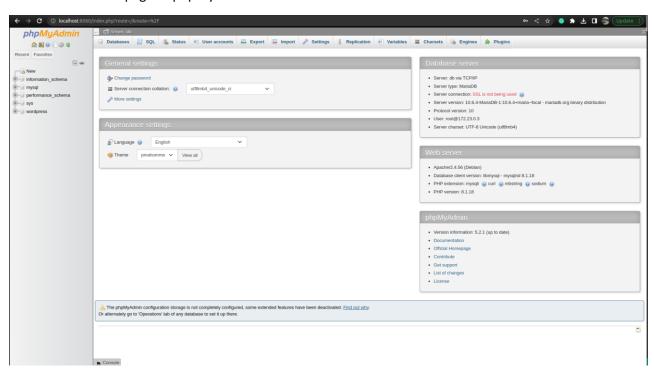
   b. PHPMyAdmin logs:

c.   Mariadb logs:

4.   Dashboard page of phpMyAdmin

5.   Installation page of wordpress:

in │ M │ emeritus | 2.) Data Engine × │ emeritus | Home   × │ phpmyadmin/phpmyadm × │ Nonparametric supervise × │ data_engineering_bootc × │ WordPress › Installation × +

← → C   ⓘ localhost/wp-admin/install.php?step=1   ⋖ ☆   ● ✦ ⤓ ☐ ⑤   Update ⋮

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

x7v9x1c*o)MEXg1IzL   👁 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