

Group Member's Name:-

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We add Docker Compose Services of phpmyadmin and wordpress.

```
docker-compose.yml x
docker_compose_example > docker-compose.yml
1  services:
2    db:
3      image: mariadb:10.6.4-focal
4      command: '--default-authentication-plugin=mysql_native_password'
5      volumes:
6        - db_data:/var/lib/mysql
7      restart: always
8      environment:
9        - MYSQL_ROOT_PASSWORD=somewordpress
10       - MYSQL_DATABASE=wordpress
11       - MYSQL_USER=wordpress
12       - MYSQL_PASSWORD=wordpress
13
14       #- MYSQL_ROOT_PASSWORD=notSecureChangeMe
15
16
17     expose:
18       - 3306
19
20
21   wordpress:
22     image: wordpress:latest
23     volumes:
24       - wp_data:/var/www/html
25     ports:
26       - 80:80
27     restart: always
28     environment:
29       - WORDPRESS_DB_HOST=db
30       - WORDPRESS_DB_USER=wordpress
31       - WORDPRESS_DB_PASSWORD=wordpress
32       - WORDPRESS_DB_NAME=wordpress
33
34
35   phpmyadmin:
36     image: phpmyadmin
37     restart: always
38     ports:
39       - 5000:80
40
41
42
43   volumes:
44     db_data:
45     wp_data:
```

First we make docker container images of **phpmyadmin** and **wordpress**.

```
(base) abdulrehman@all-MS-7D35:~/Downloads/day_1_microservices$ cd docker_compose_example/
(base) abdulrehman@all-MS-7D35:~/Downloads/day_1_microservices/docker_compose_example$ docker compose up -d
[+] Running 3/0
  ✓ Container docker_compose_example-phpmyadmin-1   Running
  ✓ Container docker_compose_example-wordpress-1     Running
  ✓ Container docker_compose_example-db-1            Running
(base) abdulrehman@all-MS-7D35:~/Downloads/day_1_microservices/docker_compose_example$ docker compose logs >>logs1
(base) abdulrehman@all-MS-7D35:~/Downloads/day_1_microservices/docker_compose_example$
```

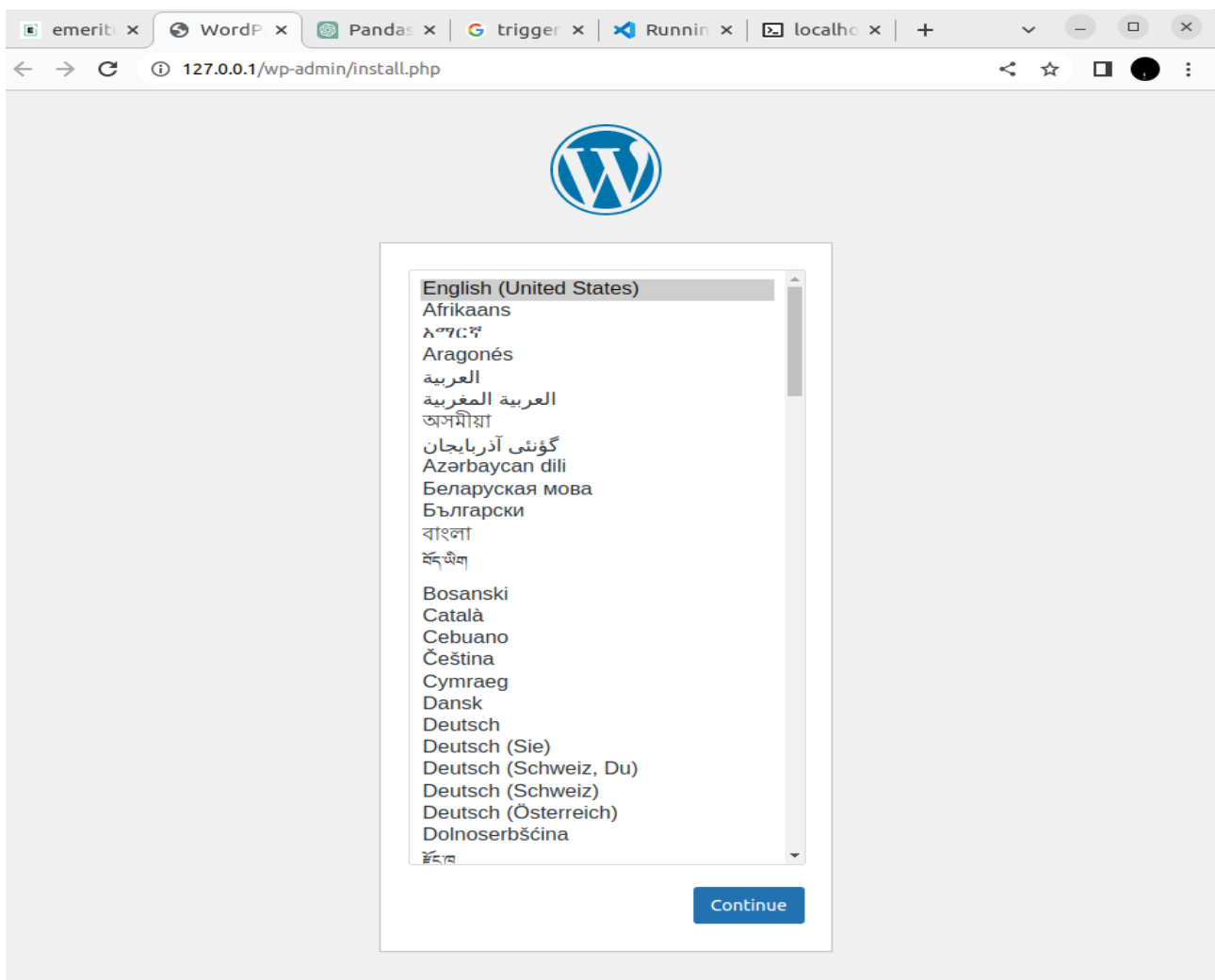
This is the screenshot of **phpmyadmin** panel.



```
logs1
~/Downloads/day_1_microservices/docker_compose_example
Save

1 docker_compose_example-db-1 | 2023-05-04 11:49:37+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:10.6.4+maria-focal started.
2 docker_compose_example-db-1 | 2023-05-04 11:49:37+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
3 docker_compose_example-db-1 | 2023-05-04 11:49:37+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:10.6.4+maria-focal started.
4 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] mysqld (server 10.6.4-MariaDB-1:10.6.4+maria-focal) starting as process 1 ...
5 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: Compressed tables use zlib 1.2.11
6 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: Number of pools: 1
7 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: Using crc32 + pclmulqdq instructions
8 docker_compose_example-wordpress-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.19.0.2. Set the 'ServerName' directive globally to suppress this message
9 docker_compose_example-wordpress-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.19.0.2. Set the 'ServerName' directive globally to suppress this message
10 docker_compose_example-wordpress-1 | [Thu May 04 11:36:35.746531 2023] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.56 (Debian) PHP/8.0.28 configured -- resuming normal operations
11 docker_compose_example-wordpress-1 | [Thu May 04 11:36:35.746564 2023] [core:notice] [pid 1] AH00094: Command line: 'apache2 -D FOREGROUND'
12 docker_compose_example-wordpress-1 | 172.19.0.1 - - [04/May/2023:11:37:55 +0000] "GET / HTTP/1.1" 302 400 "-" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
13 docker_compose_example-phpmyadmin-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.19.0.4. Set the 'ServerName' directive globally to suppress this message
14 docker_compose_example-phpmyadmin-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.19.0.4. Set the 'ServerName' directive globally to suppress this message
15 docker_compose_example-phpmyadmin-1 | [Thu May 04 11:50:26.740023 2023] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.56 (Debian) PHP/8.1.18 configured -- resuming normal operations
16 docker_compose_example-phpmyadmin-1 | [Thu May 04 11:50:26.740052 2023] [core:notice] [pid 1] AH00094: Command line: 'apache2 -D FOREGROUND'
17 docker_compose_example-wordpress-1 | 172.19.0.1 - - [04/May/2023:11:37:55 +0000] "GET /wp-admin/install.php HTTP/1.1" 200 4622 "-" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
18 docker_compose_example-wordpress-1 | 172.19.0.1 - - [04/May/2023:11:37:56 +0000] "GET /favicon.ico HTTP/1.1" 302 399 "http://172.0.0.1/wp-admin/install.php" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
19 docker_compose_example-phpmyadmin-1 | 172.19.0.1 - - [04/May/2023:11:50:31 +0000] "GET /index.php?route=/&route=XZF HTTP/1.1" 200 5969 "-" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
20 docker_compose_example-phpmyadmin-1 | 172.19.0.1 - - [04/May/2023:11:50:33 +0000] "POST /index.php?route=/ HTTP/1.1" 302 1004 "-" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
21 docker_compose_example-phpmyadmin-1 | 172.19.0.1 - - [04/May/2023:11:50:33 +0000] "GET /index.php?route=/&route=XZF HTTP/1.1" 200 18472 "-" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
22 docker_compose_example-phpmyadmin-1 | 172.19.0.1 - - [04/May/2023:11:50:33 +0000] "POST /index.php?route=/config/get HTTP/1.1" 200 2363 "-" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
23 docker_compose_example-phpmyadmin-1 | 172.19.0.1 - - [04/May/2023:11:50:33 +0000] "POST /index.php?route=/navigation&ajax_request=1 HTTP/1.1" 200 2932 "-" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
24 docker_compose_example-phpmyadmin-1 | 172.19.0.1 - - [04/May/2023:11:50:33 +0000] "POST /index.php?route=/config/get HTTP/1.1" 200 2450 "-" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
25 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] mysqld: O_TMPFILE is not supported on /tmp (disabling future attempts)
26 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: Using Linux native AIO
27 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: Initializing buffer pool, total size = 134217728, chunk size = 134217728
28 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: Completed initialization of buffer pool
29 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: 128 rollback segments are active.
30 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: Creating shared tablespace for temporary tables
31 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: Setting file './ibtmp1' size to 12 MB. Physically writing the file full; Please wait ...
32 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: File './ibtmp1' size is now 12 MB.
33 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] InnoDB: 10.6.4 started; Log sequence number 42455; transaction id 14
34 docker_compose_example-db-1 | 2023-05-04 11:49:37 0 [Note] Plugin 'FEEDBACK' is disabled.
35 docker_compose_example-phpmyadmin-1 | 172.19.0.1 - - [04/May/2023:11:50:33 +0000] "POST /index.php?route=/version-check HTTP/1.1" 200 1032 "-" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
36 docker_compose_example-phpmyadmin-1 | 172.19.0.1 - - [04/May/2023:11:50:33 +0000] "POST /index.php?route=/config/set HTTP/1.1" 200 2344 "-" Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36"
37 docker_compose_example-phpmyadmin-1 | [Thu May 04 12:01:14.989471 2023] [mpm_prefork:notice] [pid 1] AH00170: caught SIGWINCH, shutting down gracefully
38 docker_compose_example-phpmyadmin-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.19.0.4. Set the 'ServerName' directive globally to suppress this message
```

This is the screenshot of **Wordpress** panel



This is the screenshot of **phpmyadmin** panel

