Docker 実習 6

1. 教科書 P111 で作成した MariaDB コンテナを、AWS Ubuntu 上に構築してください。
構築過程の画面と MariaDB へのアクセス(mariadb コマンドでデータベースにアクセス)の画面を貼り付けて提出してください。

☞構築過程の画面と MariaDB へのアクセス(mariadb コマンドでデータベースにアクセス)の画面を貼り付けて提出してください。

```
ubuntu@ip-172-31-3-122:~/docker/mariadb$ docker compose up -d
[+] Running 1/0
 ? Container mariadb-db-1  Running
```

```
ubuntu@ip-172-31-3-122:~/docker/mariadb$ docker compose exec db /bin/sh
#
#
# mariadb -u testuser -D testdb -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or ¥g.
Your MariaDB connection id is 7
Server version: 10.7.8-MariaDB-1:10.7.8+maria~ubu2004 mariadb.org binary distribution

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Type 'help;' or '¥h' for help. Type '¥c' to clear the current input statement.

MariaDB [testdb]> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| testdb             |
+--------------------+
2 rows in set (0.000 sec)

MariaDB [testdb]>
```
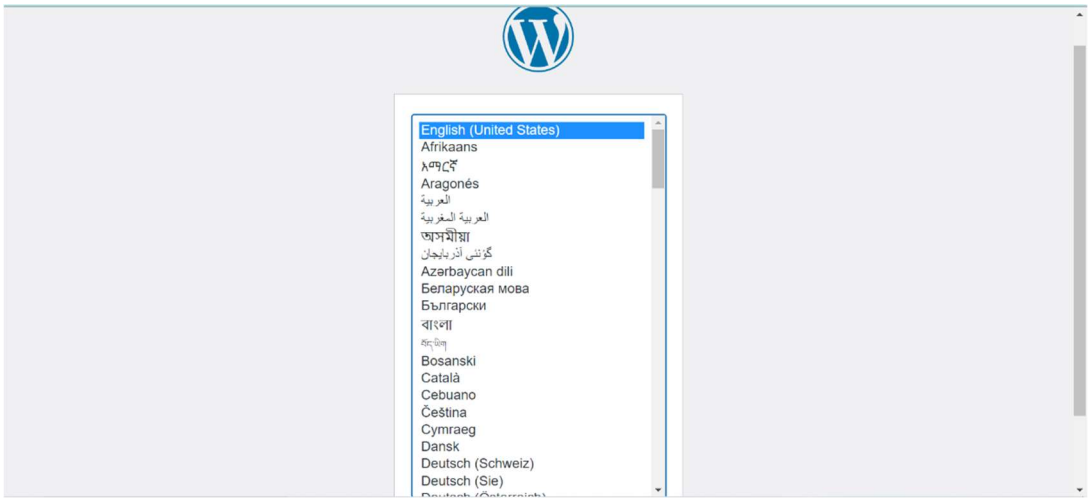

2. 教科書 P121 で構築した WordPress＋MariaDB コンテナを AWS Ubuntu 上に構築してください。

👉構築過程と WordPress と MariaDB へのアクセス確認画面を貼り付けて提出してください。

```
ubuntu@ip-172-31-3-122:~/docker/wordpress$ docker compose up -d
[+] Running 22/22
 ? wordpress Pulled                                                 18.7s
   ? e9995326b091 Pull complete                                      5.0s
   ? a92094989b7b Pull complete                                      5.1s
   ? 8928ab838e07 Pull complete                                     11.0s
   ? 3ff6c49a7598 Pull complete                                     11.1s
   ? 91980a300ada Pull complete                                     12.2s
   ? 10c8009f9887 Pull complete                                     12.2s
   ? c9b7e98bafcf Pull complete                                     12.3s
   ? 91386f1bdc66 Pull complete                                     12.6s
   ? ddafb714c9a3 Pull complete                                     12.7s
   ? f1a1f4054443 Pull complete                                     13.5s
   ? ee13715bc535 Pull complete                                     13.6s
   ? 9b990269cc61 Pull complete                                     13.7s
   ? 3b0ba5bc20a5 Pull complete                                     13.8s
   ? d4e7b523aaec Pull complete                                     15.0s
   ? 9624b0f849a1 Pull complete                                     16.0s
   ? 76c1e5bb66c6 Pull complete                                     16.1s
   ? ba83b5db2d9c Pull complete                                     16.2s
   ? 1f4f8b7b6997 Pull complete                                     16.3s
   ? 2c0e2688a78a Pull complete                                     18.2s
   ? 58df18f04c26 Pull complete                                     18.2s
   ? 21e8f4a20ab6 Pull complete                                     18.3s
[+] Running 4/5
 ? Network wordpress_default          Creat...                      0.1s
 ? Volume "wordpress_wordpress-data"  Created                       0.0s
 ? Volume "wordpress_db-data"         Crea...                       0.0s
 ? Container wordpress-db-1           Starte...                     1.7s
 ? Container wordpress-wordpress-1    Starting                      1.6s
Error response from daemon: driver failed programming external connectivity on e
ndpoint wordpress-wordpress-1 (c5079b11a4f06b70facc722a0a6465774b20f640104890370
2cc427b0f8af244): Bind for 0.0.0.0:8080 failed: port is already allocated
```



```
ubuntu@ip-172-31-3-122:~/docker/wordpress$ docker compose exec db /bin/sh
#
#
#
# maiadb -u wordpress -D wordpress -p
/bin/sh: 4: maiadb: not found
# mariadb -u wordpress -D wordpress -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or ¥g.
Your MariaDB connection id is 7
Server version: 10.7.8-MariaDB-1:10.7.8+maria~ubu2004 mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '¥h' for help. Type '¥c' to clear the current input statement.

MariaDB [wordpress]>
MariaDB [wordpress]>
MariaDB [wordpress]> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| wordpress          |
+--------------------+
2 rows in set (0.000 sec)
```

3. 教科書 P131 の flask コンテナを AWS Ubuntu 上に構築してください。

👉構築過程と flask サーバーへの確認画面を貼り付けて提出してください。

```
ubuntu@ip-172-31-3-122:~/docker/flask$ docker compose up -d
[+] Building 31.4s (7/7) FINISHED
 => [internal] load build definition from Dockerfile                       0.1s
 => => transferring dockerfile: 147B                                       0.1s
 => [internal] load .dockerignore                                          0.1s
 => => transferring context: 2B                                            0.0s
 => [internal] load metadata for docker.io/library/python:3.10             0.6s
 => [1/3] FROM docker.io/library/python:3.10@sha256:8e32b3f4e00c1dc4e6a3  26.7s
 => => resolve docker.io/library/python:3.10@sha256:8e32b3f4e00c1dc4e6a3e  0.0s
 => => sha256:8e32b3f4e00c1dc4e6a3e4edb4ed6a633876d718c4a 2.14kB / 2.14kB  0.0s
 => => sha256:9248825931c95c1924799cc743fd09922a088f99fb9 2.22kB / 2.22kB  0.0s
 => => sha256:32fb02163b6bb519a30f909008e852354dae10bdf 55.05MB / 55.05MB  1.5s
 => => sha256:167c7feebee855d117e192389484ea8367be1ba84e7 5.17MB / 5.17MB  0.3s
 => => sha256:c5f645e92da603500d33bc8fc68e56f3f099a42df5a 8.83kB / 8.83kB  0.0s
 => => sha256:d6dfff1f6f3ddd2194ea0775f199572e8b2d75c38 10.88MB / 10.88MB  0.3s
 => => sha256:e9cdcd4942ebc7445d8a70117a83ecbc77dcc5ffc 54.59MB / 54.59MB  2.1s
 => => sha256:ca3bce705f6c47c25b6e7896b4da514bf271c58 196.81MB / 196.81MB  4.9s
 => => sha256:5e1c6c4f8bbf1116f692204567222e5b77b4d0275cc 6.29MB / 6.29MB  1.9s
 => => sha256:e7e563b10921e18f084671abbc971288264b26ab4 18.68MB / 18.68MB  2.5s
 => => sha256:9eb9d866c104c549ac94ce83566922769ffe81937a9e658 233B / 233B  2.1s
 => => sha256:8ca602e7301aa8df1eed99ae3b3cc211b906d6e9ac1 3.06MB / 3.06MB  2.3s
 => => extracting sha256:32fb02163b6bb519a30f909008e852354dae10bdfd6b3419  5.0s
 => => extracting sha256:167c7feebee855d117e192389484ea8367be1ba84e7ee35f  0.5s
 => => extracting sha256:d6dfff1f6f3ddd2194ea0775f199572e8b2d75c38713eef0  0.4s
 => => extracting sha256:e9cdcd4942ebc7445d8a70117a83ecbc77dcc5ffc72c4b6f  3.9s
 => => extracting sha256:ca3bce705f6c47c25b6e7896b4da514bf271c5827b1d19f  11.2s
 => => extracting sha256:5e1c6c4f8bbf1116f692204567222e5b77b4d0275cccad0c  0.6s
 => => extracting sha256:e7e563b10921e18f084671abbc971288264b26ab41576541  1.1s
 => => extracting sha256:9eb9d866c104c549ac94ce83566922769ffe81937a9e658d  0.0s
 => => extracting sha256:8ca602e7301aa8df1eed99ae3b3cc211b906d6e9ac1ed474  0.5s
 => [2/3] WORKDIR /usr/src/app                                             0.1s
 => [3/3] RUN pip install flask==2.1.1                                     3.6s
 => exporting to image                                                     0.2s
```

Hello Docker!