

데이터 삽입 Loop

1) psql을 이용하여, iris_data 테이블의 데이터를 확인: `select * from iris_data;`

```
mydatabase=# select * from iris_data;
 id |          timestamp          | sepal_length | sepal_width | petal_length | petal_width | t
-----+-----+-----+-----+-----+-----+
 1 | 2023-12-30 11:03:42.166353 |           6 |          2.7 |           5.1 |           1.6 |
 1 | 2023-12-30 11:50:15.371534 |           7.2 |          3.2 |           6 |           1.8 |
 2 | 2023-12-30 11:50:16.389618 |           5.5 |          3.5 |           1.3 |           0.2 |
 0 | 2023-12-30 11:50:17.401693 |           5.7 |          4.4 |           1.5 |           0.4 |
 0 | 2023-12-30 11:50:18.412507 |           6.9 |          3.1 |           5.1 |           2.3 |
 2 | 2023-12-30 11:50:19.42266 |           5.1 |          3.8 |           1.6 |           0.2 |
 0 | 2023-12-30 11:50:20.43241 |           4.3 |           3 |           1.1 |           0.1 |
 0 | 2023-12-30 11:50:21.443966 |           5.7 |           3 |           4.2 |           1.2 |
 1 | 2023-12-30 11:50:22.451067 |           6.2 |          2.2 |           4.5 |           1.5 |
 1 | 2023-12-30 11:50:23.461263 |           5.4 |          3.9 |           1.7 |           0.4 |
 0 | 2023-12-30 11:50:24.472526 |           5.2 |          4.1 |           1.5 |           0.1 |
 0 | 2023-12-30 11:50:25.480016 |           7.2 |          3.2 |           6 |           1.8 |
 2 | 2023-12-30 11:50:26.491447 |           6.3 |          2.7 |           4.9 |           1.8 |
 2 | 2023-12-30 11:50:27.503513 |           6.4 |          3.2 |           5.3 |           2.3 |
 2 | 2023-12-30 11:50:28.515577 |           6.1 |           3 |           4.9 |           1.8 |
:...skipping...
```

데이터 생성 on Docker

2) Dockerfile 이미지 생성 확인

```
$ docker image ls
```

```
● choemin-uu-MacBookAir:Class1 chaiminwoo0223$ docker image ls
REPOSITORY          TAG          IMAGE ID          CREATED           SIZE
data-generator      latest      4c677051851a     4 minutes ago    592MB
postgres            14.0        01b2dbb34042     2 years ago      354MB
○ choemin-uu-MacBookAir:Class1 chaiminwoo0223$
```

데이터 생성 on Docker Compose

3) 네트워크 확인

```
$ docker network ls
```

```
● choemin-uui-MacBookAir:Class1 chaiminwoo0223$ docker network ls
NETWORK ID          NAME                DRIVER              SCOPE
5f45cbe2641b        bridge             bridge              local
0984a5bde7a4        host               host                local
601603b2d8fc        mlops-network      bridge              local
88ccda5f4e8f        none               null                local
○ choemin-uui-MacBookAir:Class1 chaiminwoo0223$
```

데이터 생성 on Docker Compose

4) 생성된 네트워크 확인

```
choemin-uui-MacBookAir:Class1 chaiminwoo0223$ docker network inspect mlops-network
[
  {
    "Name": "mlops-network",
    "Id": "601603b2d8fc5a5bcc0b8d3309f533e527412421cf229d717f00d3f94a56b94b",
    "Created": "2024-01-09T08:39:39.936612919Z",
    "Scope": "local",
    "Driver": "bridge",
    "EnableIPv6": false,
    "IPAM": {
      "Driver": "default",
      "Options": null,
      "Config": [
        {
          "Subnet": "172.18.0.0/16",
          "Gateway": "172.18.0.1"
        }
      ]
    },
    "Internal": false,
    "Attachable": false,
    "Ingress": false,
    "ConfigFrom": {
      "Network": ""
    },
    "ConfigOnly": false,
    "Containers": {
      "ae83f6a9c458a921f80a45f1626471b67bc8f581e143f1ed13b60803f051a184": {
        "Name": "data-generator",
        "EndpointID": "6e2835c9679d85a23d5237a940b587709367c1b7dbe2500523bdc0c4451832ba",
        "MacAddress": "02:42:ac:12:00:03",
        "IPv4Address": "172.18.0.3/16",
        "IPv6Address": ""
      }
    }
  }
]
```