

Task 12

12-1

sf1というDBを作成した。

```
mysql> sudo mysqlimport -u root -p --local --fields-terminated-by='|' sf1 ORDERS.tbl
mysql> sudo mysqlimport -u root -p --local --fields-terminated-by='|' sf1 LINEITEM.tbl
mysql> select table_name, table_rows,
-> floor((data_length+index_length)/1024/1024) AS allmb from
-> information_schema.tables where table_schema=database();
```

```
+-----+-----+-----+
| TABLE_NAME | TABLE_ROWS | allmb |
+-----+-----+-----+
| CUSTOMER   |          0 |    0 |
| LINEITEM   |       595482 |    90 |
| NATION     |          0 |    0 |
| ORDERS     |       148905 |    20 |
| PART       |          0 |    0 |
| PARTSUPP   |          0 |    0 |
| REGION     |          0 |    0 |
| SUPPLIER   |          0 |    0 |
+-----+-----+-----+
```

```
mysql> select count(*) from LINEITEM;
+-----+
| count(*) |
+-----+
| 600572 |
+-----+
1 row in set (0.04 sec)
```

```
mysql> select count(*) from ORDERS;
+-----+
| count(*) |
+-----+
| 150000 |
+-----+
1 row in set (0.06 sec)
```

LINEITEM

データ量は90MBで、全件アクセスの時間が0.04秒。

ORDERS

データ量は20MBで、全件アクセスの時間が0.06秒。

12-2

sf2というDBを作成した。

```
mysql> sudo mysqlimport -u root -p --local --fields-terminated-by='|' sf1 ORDERS.tbl
mysql> sudo mysqlimport -u root -p --local --fields-terminated-by='|' sf1 LINEITEM.tbl
mysql> select table_name, table_rows,
  -> floor((data_length+index_length)/1024/1024) AS allmb from
  -> information_schema.tables where table_schema=database();
+-----+-----+-----+
| TABLE_NAME | TABLE_ROWS | allmb |
+-----+-----+-----+
| CUSTOMER    |          0 |    0 |
| LINEITEM    | 11889460 | 1809 |
| NATION      |          0 |    0 |
| ORDERS      | 2897921 | 402 |
| PART        |          0 |    0 |
| PARTSUPP    |          0 |    0 |
| REGION      |          0 |    0 |
| SUPPLIER    |          0 |    0 |
+-----+-----+-----+
8 rows in set (0.00 sec)

mysql> select count(*) from LINEITEM;
+-----+
| count(*) |
+-----+
| 11997996 |
+-----+
1 row in set (4.41 sec)

mysql> select count(*) from ORDERS;
+-----+
| count(*) |
+-----+
| 3000000 |
+-----+
1 row in set (0.29 sec)
```

LINEITEM

データ量は1809MBで、全件アクセスの時間が4.41秒。

ORDERS

データ量は402MBで、全件アクセスの時間が0.29秒。