Report Labwork I

Prepare for Labwork:

- (1) Clone employees database from Github
- (2) Create Fork from Github repository
- (3) Install Mysql

Step 1: Import the Database

Command: mysql -uroot < employees.sql

Output:

```
Iongdd@Longs-MacBook-Pro:~/Documents/information system/test_db$ mysql -uroot < employees.sql
INFO
CREATING DATABASE STRUCTURE
INFO
storage engine: InnoDB
INFO
LOADING departments
INFO
LOADING employees
INFO
LOADING dept_emp
INFO
LOADING dept_manager
INFO
LOADING titles
INFO
LOADING salaries
data_load_time_diff
00:00:47</pre>
```

Step 2: Run md5 check

Command: mysql -uroot < test_employees_md5.sql

Output:

```
longdd@Longs-MacBook-Pro;~/Documents/Information System/1/test_db$ mysql -uroot -t < test_employees_md5.sql
 INFO
 TESTING INSTALLATION |
              | expected_records | expected_crc
                          300024 | 4ec56ab5ba37218d187cf6ab09ce1aa1 |
 employees
 departments
                              9 | d1af5e170d2d1591d776d5638d71fc5f
                               24 | 8720e2f0853ac9096b689c14664f847e
 dept_manager |
                          331603 | ccf6fe516f990bdaa49713fc478701b7
 dept_emp
 titles
                          443308 | bfa016c472df68e70a03facafa1bc0a8
                         2844047 | fd220654e95aea1b169624ffe3fca934
 salaries
              | found_records
                                  | found_crc
                          300024 | 4ec56ab5ba37218d187cf6ab09ce1aa1
 employees
                               9 | d1af5e170d2d1591d776d5638d71fc5f
 departments
                               24 | 8720e2f0853ac9096b689c14664f847e |
 dept_manager
 dept_emp
                          331603 | ccf6fe516f990bdaa49713fc478701b7
 titles
                          443308 | bfa016c472df68e70a03facafa1bc0a8 |
 salaries
                          2844047 | fd220654e95aea1b169624ffe3fca934 |
              | records_match | crc_match |
              I OK
 employees
                               l ok
 departments | OK
                               l ok
 dept_manager | OK
dept_emp | OK
                               l ok
                               l ok
               I OK
 titles
                               l ok
 salaries
                               l ok
 computation_time |
 00:00:13
         I OK
 count
```

Step 3: Run SHA check

Command: mysql -uroot < test_employees_sha.sql

Output:

```
longdd@Longs-MacBook-Pro:~/Documents/Information System/1/test_db$ mysql -uroot -t < test_employees_sha.sql
 INFO
 TESTING INSTALLATION |
              | expected_records | expected_crc
 table_name
 employees
                          300024 | 4d4aa689914d8fd41db7e45c2168e7dcb9697359 |
 departments
                              9 | 4b315afa0e35ca6649df897b958345bcb3d2b764
                              24 | 9687a7d6f93ca8847388a42a6d8d93982a841c6c
 dept_manager
                          331603 | d95ab9fe07df0865f592574b3b33b9c741d9fd1b
 dept_emp
 titles
                          443308 | d12d5f746b88f07e69b9e36675b6067abb01b60e
 salaries
                         2844047 | b5a1785c27d75e33a4173aaa22ccf41ebd7d4a9f
              | found_records
                                 | found_crc
                          300024 | 4d4aa689914d8fd41db7e45c2168e7dcb9697359 |
 employees
 departments
                              9 | 4b315afa0e35ca6649df897b958345bcb3d2b764
 dept_manager
                              24 | 9687a7d6f93ca8847388a42a6d8d93982a841c6c
                          331603 | d95ab9fe07df0865f592574b3b33b9c741d9fd1b
 dept_emp
                          443308 | d12d5f746b88f07e69b9e36675b6067abb01b60e
 titles
                         2844047 | b5a1785c27d75e33a4173aaa22ccf41ebd7d4a9f
 salaries
              | records_match | crc_match |
 employees
              I OK
                              l ok
 departments | OK
                              l ok
 dept_manager | OK
                              l ok
 dept_emp
              I OK
                              l ok
 titles
              I OK
                              l ok
                              l ok
              I OK
 salaries
 computation_time |
 00:00:14
 summary | result |
 CRC
         I OK
         I OK
 count
```