

Information System - Lab work 1

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1 Installation

1.1 Clone employees database from Github

```
git clone git@github.com : datacharmer/test_db.git
```

 (1)

1.2 Change directory to repository.

1.3 Install the database

```
mysql -u root -p < employees.sql
```

 (2)

```
C:\Users\Admin\Desktop\IS\test_db>mysql -u root -p < employees.sql
Enter password: *****
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
00:01:04
```

2 Verifying database

```

C:\Users\Admin\Desktop\IS\test_db>mysql -t -u root -p < test_employees_md5.sql
Enter password: *****
+-----+
| INFO |
+-----+
| TESTING INSTALLATION |
+-----+
+-----+-----+-----+
| table_name | expected_records | expected_crc |
+-----+-----+-----+
| employees | 300024 | 4ec56ab5ba37218d187cf6ab09ce1aa1 |
| departments | 9 | d1af5e170d2d1591d776d5638d71fc5f |
| dept_manager | 24 | 8720e2f0853ac9096b689c14664f847e |
| dept_emp | 331603 | cc6fe516f990bdaa49713fc478701b7 |
| titles | 443308 | bfa016c472df68e70a03facafa1bc0a8 |
| salaries | 2844047 | fd220654e95aea1b169624ffe3fca934 |
+-----+-----+-----+
+-----+-----+-----+
| table_name | found_records | found_crc |
+-----+-----+-----+
| employees | 300024 | 4ec56ab5ba37218d187cf6ab09ce1aa1 |
| departments | 9 | d1af5e170d2d1591d776d5638d71fc5f |
| dept_manager | 24 | 8720e2f0853ac9096b689c14664f847e |
| dept_emp | 331603 | cc6fe516f990bdaa49713fc478701b7 |
| titles | 443308 | bfa016c472df68e70a03facafa1bc0a8 |
| salaries | 2844047 | fd220654e95aea1b169624ffe3fca934 |
+-----+-----+-----+
+-----+-----+-----+
| table_name | records_match | crc_match |
+-----+-----+-----+
| employees | OK | ok |
| departments | OK | ok |
| dept_manager | OK | ok |
| dept_emp | OK | ok |
| titles | OK | ok |
| salaries | OK | ok |
+-----+-----+-----+
+-----+
| computation_time |
+-----+
| 00:00:12 |
+-----+
+-----+-----+
| summary | result |
+-----+-----+
| CRC | OK |
| count | OK |
+-----+-----+

```

```
C:\Users\Admin\Desktop\IS\test_db>mysql -t -u root -p < test_employees_sha.sql
Enter password: *****
```

+-----+ INFO +-----+		
+-----+ TESTING INSTALLATION +-----+		
+-----+ table_name expected_records expected_crc +-----+		
employees	300024	4d4aa689914d8fd41db7e45c2168e7dcb9697359
departments	9	4b315afa0e35ca6649df897b958345bcb3d2b764
dept_manager	24	9687a7d6f93ca8847388a42a6d8d93982a841c6c
dept_emp	331603	d95ab9fe07df0865f592574b3b33b9c741d9fd1b
titles	443308	d12d5f746b88f07e69b9e36675b6067abb01b60e
salaries	2844047	b5a1785c27d75e33a4173aaa22ccf41ebd7d4a9f
+-----+		
+-----+ table_name found_records found_crc +-----+		
employees	300024	4d4aa689914d8fd41db7e45c2168e7dcb9697359
departments	9	4b315afa0e35ca6649df897b958345bcb3d2b764
dept_manager	24	9687a7d6f93ca8847388a42a6d8d93982a841c6c
dept_emp	331603	d95ab9fe07df0865f592574b3b33b9c741d9fd1b
titles	443308	d12d5f746b88f07e69b9e36675b6067abb01b60e
salaries	2844047	b5a1785c27d75e33a4173aaa22ccf41ebd7d4a9f
+-----+		
+-----+ table_name records_match crc_match +-----+		
employees	OK	ok
departments	OK	ok
dept_manager	OK	ok
dept_emp	OK	ok
titles	OK	ok
salaries	OK	ok
+-----+		
+-----+ computation_time +-----+		
00:00:15 +-----+		
+-----+ summary result +-----+		
CRC	OK	
count	OK	
+-----+		