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-- ISTE608 Spring 2023 Term 2225
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```

```
mysql> USE college;
Database changed
mysql> SHOW VARIABLES LIKE "%VERSION%";
```

```
-----
SHOW VARIABLES LIKE "%VERSION%"
-----
```

Variable_name	Value
admin_tls_version	TLSv1.2,TLSv1.3
immediate_server_version	999999
innodb_version	8.0.32
original_server_version	999999
protocol_version	10
replica_type_conversions	
slave_type_conversions	
tls_version	TLSv1.2,TLSv1.3
version	8.0.32
version_comment	MySQL Community Server - GPL
version_compile_machine	x86_64
version_compile_os	Win64
version_compile_zlib	1.2.13

```
-----
13 rows in set (0.01 sec)
```

```
mysql> SHOW DATABASES;
```

```
-----
SHOW DATABASES
-----
```

Database
college
information_schema
mysql
performance_schema
studentdb
sys

```
-----
6 rows in set (0.00 sec)
```

```
mysql> SELECT current_date;
```

```
SELECT current_date
```

```
-----
```

```
+-----+
```

```
| current_date |
```

```
+-----+
```

```
| 2023-01-23   |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> SELECT current_time;
```

```
-----
```

```
SELECT current_time
```

```
-----
```

```
+-----+
```

```
| current_time |
```

```
+-----+
```

```
| 14:47:49     |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> SELECT current_timestamp;
```

```
-----
```

```
SELECT current_timestamp
```

```
-----
```

```
+-----+
```

```
| current_timestamp |
```

```
+-----+
```

```
| 2023-01-23 14:48:14 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> SELECT current_user;
```

```
-----
```

```
SELECT current_user
```

```
-----
```

```
+-----+
```

```
| current_user   |
```

```
+-----+
```

```
| root@localhost |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> SELECT now();
```

```
-----
```

```
SELECT now()
```

```
-----
```

```

+-----+
| now() |
+-----+
| 2023-01-23 14:49:16 |
+-----+
1 row in set (0.00 sec)

```

```

mysql> SELECT pi();
-----
SELECT pi()
-----

```

```

+-----+
| pi() |
+-----+
| 3.141593 |
+-----+
1 row in set (0.00 sec)

```

```

mysql> SELECT user();
-----
SELECT user()
-----

```

```

+-----+
| user() |
+-----+
| root@localhost |
+-----+
1 row in set (0.00 sec)

```

```

mysql> SELECT version();
-----
SELECT version()
-----

```

```

+-----+
| version() |
+-----+
| 8.0.32 |
+-----+
1 row in set (0.00 sec)

```

```

mysql> SELECT * from student\G
-----
SELECT * from student
-----

```

```

***** 1. row *****

```

```

studentID: 120050789
lastName: Floeser
firstName: Michael
homeAddress: 2 Main, Honeoy, Falls NY
collegeAddress: Brigs Hall Apt 503
advisorID: 012345678
departmentID: 4002
graduated: 0
***** 2. row *****
studentID: 121212121
lastName: Habermas
firstName: Jim
homeAddress: 32 Main, Plymouth, MI
collegeAddress: Haffey Hall Apt 503
advisorID: 234567890
departmentID: 4003
graduated: 1
***** 3. row *****
studentID: 123123123
lastName: Burns
firstName: Jeff
homeAddress: 8015 Arlington, Plymouth, MI
collegeAddress: Haffey Hall Apt 503
advisorID: 345678901
departmentID: 500
graduated: 1
***** 4. row *****
studentID: 133333330
lastName: Miller
firstName: Guy
homeAddress: 32 Oak St., Plymouth, MI
collegeAddress: Haffey Hall Apt 503
advisorID: 345678901
departmentID: 500
graduated: 1
***** 5. row *****
studentID: 233333333
lastName: French
firstName: Bryan
homeAddress: 3243 Main, Avon, NY
collegeAddress: Haffey Hall Apt 503
advisorID: 345678901
departmentID: 500
graduated: 1
***** 6. row *****
studentID: 987220220
lastName: Wilcox
firstName: Kim
homeAddress: 2299 West Main, Rochester, NY
collegeAddress: Haffey Hall Apt 301

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    advisorID: 012345678
departmentID: 4002
    graduated: 0
***** 7. row *****
    studentID: 987654321
      lastName: Wilcox
      firstName: Dawn
    homeAddress: 31 Captiva, Rochester, NY
collegeAddress: Haffey Hall Apt 301
    advisorID: 012345678
    departmentID: 2000
    graduated: 0
***** 8. row *****
    studentID: 987659009
      lastName: Smith
      firstName: Dawn
    homeAddress: 202 South St., Rochester, NY
collegeAddress: Haffey Hall Apt 301
    advisorID: 012345678
    departmentID: 2000
    graduated: 0
8 rows in set (0.00 sec)

```

```
mysql> SELECT * from student;
```

```

-----
SELECT * from student
-----

```

```

+-----+-----+-----+-----+-----+
| studentID | lastName | firstName | homeAddress | collegeAddress |
| advisorID | departmentID | graduated | | |
+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+
| 120050789 | Floeser | Michael | 2 Main, Honeoy, Falls NY | Brigs Hall Apt |
503 | 012345678 | 4002 | 0 | |
| 121212121 | Habermas | Jim | 32 Main, Plymouth, MI | Haffey Hall Apt |
503 | 234567890 | 4003 | 1 | |
| 123123123 | Burns | Jeff | 8015 Arlington, Plymouth, MI | Haffey Hall Apt |
503 | 345678901 | 500 | 1 | |
| 133333330 | Miller | Guy | 32 Oak St., Plymouth, MI | Haffey Hall Apt |
503 | 345678901 | 500 | 1 | |
| 233333333 | French | Bryan | 3243 Main, Avon, NY | Haffey Hall Apt |
503 | 345678901 | 500 | 1 | |
| 987220220 | Wilcox | Kim | 2299 West Main, Rochester, NY | Haffey Hall Apt |
301 | 012345678 | 4002 | 0 | |
| 987654321 | Wilcox | Dawn | 31 Captiva, Rochester, NY | Haffey Hall Apt |
301 | 012345678 | 2000 | 0 | |
| 987659009 | Smith | Dawn | 202 South St., Rochester, NY | Haffey Hall Apt |
301 | 012345678 | 2000 | 0 | |

```

```
+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

```
mysql> INSERT INTO student (studentID, lastName, firstName, collegeAddress,
advisorID, departmentID, graduated) VALUES ("000000000", "Hima", "Rira", "Watson
Hall, RIT", "012345678", "4002", 0);
```

```
-----
INSERT INTO student (studentID, lastName, firstName, collegeAddress, advisorID,
departmentID, graduated) VALUES ("000000000", "Hima", "Rira", "Watson Hall, RIT",
"012345678", "4002", 0)
-----
```

Query OK, 1 row affected (0.00 sec)

```
mysql> INSERT INTO student (studentID, lastName, firstName, collegeAddress,
advisorID, departmentID, graduated) VALUES ("111111111", "Hastioun", "Saeed",
"Watson Hall, RIT", "012345678", "4002", 0);
```

```
-----
INSERT INTO student (studentID, lastName, firstName, collegeAddress, advisorID,
departmentID, graduated) VALUES ("111111111", "Hastioun", "Saeed", "Watson Hall,
RIT", "012345678", "4002", 0)
-----
```

Query OK, 1 row affected (0.00 sec)

```
mysql> INSERT INTO student (studentID, lastName, firstName, collegeAddress,
advisorID, departmentID, graduated) VALUES ("222222222", "Hass", "Jack", "Watson
Hall, RIT", "012345678", "4002", 0);
```

```
-----
INSERT INTO student (studentID, lastName, firstName, collegeAddress, advisorID,
departmentID, graduated) VALUES ("222222222", "Hass", "Jack", "Watson Hall, RIT",
"012345678", "4002", 0)
-----
```

Query OK, 1 row affected (0.00 sec)

```
mysql> INSERT INTO student (studentID, lastName, firstName, collegeAddress,
advisorID, departmentID, graduated) VALUES ("333333333", "Homayoun", "Kim", "Watson
Hall, RIT", "012345678", "4002", 1);
```

```
-----
INSERT INTO student (studentID, lastName, firstName, collegeAddress, advisorID,
departmentID, graduated) VALUES ("333333333", "Homayoun", "Kim", "Watson Hall, RIT",
"012345678", "4002", 1)
-----
```

Query OK, 1 row affected (0.00 sec)

```
mysql> SELECT studentID, lastName, firstName, collegeAddress, advisorID,
```

```
departmentID FROM STUDENT ORDER BY lastName, firstName;
```

```
-----  
SELECT studentID, lastName, firstName, collegeAddress, advisorID, departmentID FROM  
STUDENT ORDER BY lastName, firstName  
-----
```

```
+-----+-----+-----+-----+-----+-----+  
+  
| studentID | lastName | firstName | collegeAddress      | advisorID | departmentID |  
|  
+-----+-----+-----+-----+-----+-----+  
+  
| 123123123 | Burns   | Jeff      | Haffey Hall Apt 503 | 345678901 | 500          |  
| 120050789 | Floeser | Michael   | Brigs Hall Apt 503  | 012345678 | 4002         |  
| 233333333 | French  | Bryan     | Haffey Hall Apt 503 | 345678901 | 500          |  
| 121212121 | Habermas | Jim       | Haffey Hall Apt 503 | 234567890 | 4003         |  
| 222222222 | Hass    | Jack      | Watson Hall, RIT    | 012345678 | 4002         |  
| 111111111 | Hastioun | Saeed     | Watson Hall, RIT    | 012345678 | 4002         |  
| 000000000 | Hima     | Rira      | Watson Hall, RIT    | 012345678 | 4002         |  
| 333333333 | Homayoun | Kim       | Watson Hall, RIT    | 012345678 | 4002         |  
| 133333330 | Miller   | Guy       | Haffey Hall Apt 503 | 345678901 | 500          |  
| 987659009 | Smith    | Dawn     | Haffey Hall Apt 301 | 012345678 | 2000         |  
| 987654321 | Wilcox   | Dawn     | Haffey Hall Apt 301 | 012345678 | 2000         |  
| 987220220 | Wilcox   | Kim       | Haffey Hall Apt 301 | 012345678 | 4002         |  
+-----+-----+-----+-----+-----+-----+  
+  
12 rows in set (0.00 sec)
```

```
mysql> notee
```