```
mysql> USE college;
Database changed
mysql> select now();
--------------
select now()
--------------

+---------------------+
| now()               |
+---------------------+
| 2024-09-04 14:23:42 |
+---------------------+
1 row in set (0.00 sec)

mysql> SHOW VARIABLES LIKE "VERSION";
--------------
SHOW VARIABLES LIKE "VERSION"
--------------

+---------------+-------+
| Variable_name | Value |
+---------------+-------+
| version       | 8.4.2 |
+---------------+-------+
1 row in set (0.01 sec)

mysql> SHOW DATABASES;
--------------
SHOW DATABASES
--------------

+--------------------+
| Database           |
+--------------------+
| college            |
| information_schema |
| myfirstdb          |
| mysql              |
| performance_schema |
| studentdb          |
| sys                |
```

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

mysql> SELECT current_date;
--------------
SELECT current_date
--------------

+--------------+
| current_date |
+--------------+
| 2024-09-04   |
+--------------+
1 row in set (0.00 sec)

mysql> SELECT current_time;
--------------
SELECT current_time
--------------

+--------------+
| current_time |
+--------------+
| 14:25:32     |
+--------------+
1 row in set (0.01 sec)

mysql> SELECT current_timestamp;
--------------
SELECT current_timestamp
--------------

+---------------------+
| current_timestamp   |
+---------------------+
| 2024-09-04 14:25:47 |
+---------------------+
1 row in set (0.00 sec)

mysql> SELECT current_user;
--------------
```

```
SELECT current_user
--------------

+---------------+
| current_user  |
+---------------+
| root@localhost |
+---------------+
1 row in set (0.01 sec)

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

+----------+
| pi()     |
+----------+
| 3.141593 |
+----------+
1 row in set (0.01 sec)

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

+----------------+
| user()         |
+----------------+
| root@localhost |
+----------------+
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: Habermas
          firstName: Kim
        homeAddress: 2222 South Main, Plymout, MI
      collegeAddress: Haffey Hall Apt 999
          advisorID: 012345678
       departmentID: 4002
          graduated: 0
************************** 7. row **************************
          studentID: 987654321
           lastName: Wilcox
          firstName: Dawn
        homeAddress: 888 East Brook Ave.
      collegeAddress: UNknown
          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 | Habermas | Kim       | 2222 South Main, Plymout, MI | Haffey Hall Apt 999 | 012345678
| 4002       |          | 0 |
| 987654321 | Wilcox   | Dawn      | 888 East Brook Ave.          | UNknown             | 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 ("567856678","Hock","Henry","Gleason Hall, RIT","012345678","4002",0);
--------------
INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID,
graduated)
VALUES ("567856678","Hock","Henry","Gleason 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 ("567856789","Hilbert","Billy","Gleason Hall, RIT","012345678","4002",0);
--------------
INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID,
graduated)
VALUES ("567856789","Hilbert","Billy","Gleason Hall, RIT","012345678","4002",0)
--------------
```

```
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID,
graduated)
    -> VALUES ("947856776","Happy","Ian","Brigs Hall, RIT","012345678","4002",0);
--------------
INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID,
graduated)
VALUES ("947856776","Happy","Ian","Brigs Hall, RIT","012345678","4002",0)
--------------

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID,
graduated)
    -> VALUES ("947444709","Helmouth","Bob","Brigs Hall, RIT","012345678","4002",0);
--------------
INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID,
graduated)
VALUES ("947444709","Helmouth","Bob","Brigs Hall, RIT","012345678","4002",0)
--------------

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         |
| 987220220 | Habermas | Kim       | Haffey Hall Apt 999 | 012345678 | 4002         |
```

```
|  947856776 | Happy    | Ian      | Brigs Hall, RIT       | 012345678 | 4002       |
|  947444709 | Helmouth | Bob      | Brigs Hall, RIT       | 012345678 | 4002       |
|  567856789 | Hilbert  | Billy    | Gleason Hall, RIT     | 012345678 | 4002       |
|  567856678 | Hock     | Henry    | Gleason 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     | UNknown               | 012345678 | 2000       |
+------------+----------+----------+-----------------------+-----------+------------+
12 rows in set (0.00 sec)

mysql> SELECT lastName, firstName, collegeAddress, homeAddress FROM student;
--------------
SELECT lastName, firstName, collegeAddress, homeAddress FROM student
--------------

+----------+-----------+---------------------+-----------------------------+
| lastName | firstName | collegeAddress      | homeAddress                 |
+----------+-----------+---------------------+-----------------------------+
| Floeser  | Michael   | Brigs Hall Apt 503  | 2 Main, Honeoy,Falls NY     |
| Habermas | Jim       | Haffey Hall Apt 503 | 32 Main, Plymouth, MI       |
| Burns    | Jeff      | Haffey Hall Apt 503 | 8015 Arlington, Plymouth, MI|
| Miller   | Guy       | Haffey Hall Apt 503 | 32 Oak St., Plymouth, MI    |
| French   | Bryan     | Haffey Hall Apt 503 | 3243 Main, Avon, NY         |
| Hock     | Henry     | Gleason Hall, RIT   | NULL                        |
| Hilbert  | Billy     | Gleason Hall, RIT   | NULL                        |
| Helmouth | Bob       | Brigs Hall, RIT     | NULL                        |
| Happy    | Ian       | Brigs Hall, RIT     | NULL                        |
| Habermas | Kim       | Haffey Hall Apt 999 | 2222 South Main, Plymout, MI|
| Wilcox   | Dawn      | UNknown             | 888 East Brook Ave.         |
| Smith    | Dawn      | Haffey Hall Apt 301 | 202 South St., Rochester, NY|
+----------+-----------+---------------------+-----------------------------+
12 rows in set (0.00 sec)

mysql> SELECT concat(lastName, ", ", firstName) AS "Student_Name"
    -> FROM student
    -> ORDER BY Student_Name;
--------------
SELECT concat(lastName, ", ", firstName) AS "Student_Name"
FROM student
ORDER BY Student_Name
--------------
```

```
+------------------+
| Student_Name     |
+------------------+
| Burns, Jeff      |
| Floeser, Michael |
| French, Bryan    |
| Habermas, Jim    |
| Habermas, Kim    |
| Happy, Ian       |
| Helmouth, Bob    |
| Hilbert, Billy   |
| Hock, Henry      |
| Miller, Guy      |
| Smith, Dawn      |
| Wilcox, Dawn     |
+------------------+
12 rows in set (0.00 sec)

mysql> SHOW TABLES;
--------------
SHOW TABLES
--------------

+-------------------+
| Tables_in_college |
+-------------------+
| advisor           |
| departments       |
| otherdeptfac      |
| student           |
| ta                |
+-------------------+
5 rows in set (0.00 sec)

mysql> notee
```