```
 1  --Lynch, Connor
 2  --ISTE230, Fall 2024
 3
 4  mysql> USE college;
 5  Database changed
 6  mysql> select now();
 7  --------------
 8  select now()
 9  --------------
10
11  +--------------------+
12  | now()              |
13  +--------------------+
14  | 2024-09-04 11:52:38 |
15  +--------------------+
16  1 row in set (0.00 sec)
17
18  mysql> SHOW VARIABLES LIKE "VERSION";
19  --------------
20  SHOW VARIABLES LIKE "VERSION"
21  --------------
22
23  +---------------+-------+
24  | Variable_name | Value |
25  +---------------+-------+
26  | version       | 8.4.2 |
27  +---------------+-------+
28  1 row in set (0.01 sec)
29
30  mysql> SHOW DATABASES;
31  --------------
32  SHOW DATABASES
33  --------------
34
35  +--------------------+
36  | Database           |
37  +--------------------+
38  | college            |
39  | information_schema |
40  | mysql              |
41  | performance_schema |
42  | studentdb          |
```

```
43  | sys                 |
44  +-------------------+
45  6 rows in set (0.00 sec)
46
47  mysql> SELECT current_date;
48  --------------
49  SELECT current_date
50  --------------
51
52  +--------------+
53  | current_date |
54  +--------------+
55  | 2024-09-04   |
56  +--------------+
57  1 row in set (0.00 sec)
58
59  mysql> SELECT current_time;
60  --------------
61  SELECT current_time
62  --------------
63
64  +--------------+
65  | current_time |
66  +--------------+
67  | 11:53:28     |
68  +--------------+
69  1 row in set (0.00 sec)
70
71  mysql> SELECT current_timestamp;
72  --------------
73  SELECT current_timestamp
74  --------------
75
76  +---------------------+
77  | current_timestamp   |
78  +---------------------+
79  | 2024-09-04 11:53:40 |
80  +---------------------+
81  1 row in set (0.00 sec)
82
83  mysql> SELECT current_user;
84  --------------
```

```
 85   SELECT current_user
 86   --------------
 87
 88   +----------------+
 89   | current_user   |
 90   +----------------+
 91   | root@localhost |
 92   +----------------+
 93   1 row in set (0.00 sec)
 94
 95   mysql> SELECT pi();
 96   --------------
 97   SELECT pi()
 98   --------------
 99
100   +----------+
101   | pi()     |
102   +----------+
103   | 3.141593 |
104   +----------+
105   1 row in set (0.00 sec)
106
107   mysql> SELECT user();
108   --------------
109   SELECT user()
110   --------------
111
112   +----------------+
113   | user()         |
114   +----------------+
115   | root@localhost |
116   +----------------+
117   1 row in set (0.00 sec)
118
119   mysql> SELECT * FROM student\G
120   --------------
121   SELECT * FROM student
122   --------------
123
124   *************************** 1. row ***************************
125       studentID: 120050789
126        lastName: Floeser
```

```
127        firstName: Michael
128      homeAddress: 2 Main, Honeoy,Falls NY
129    collegeAddress: Brigs Hall Apt 503
130        advisorID: 012345678
131      departmentID: 4002
132        graduated: 0
133    ************************* 2. row *************************
134        studentID: 121212121
135        lastName: Habermas
136        firstName: Jim
137      homeAddress: 32 Main, Plymouth, MI
138    collegeAddress: Haffey Hall Apt 503
139        advisorID: 234567890
140      departmentID: 4003
141        graduated: 1
142    ************************* 3. row *************************
143        studentID: 123123123
144        lastName: Burns
145        firstName: Jeff
146      homeAddress: 8015 Arlington, Plymouth, MI
147    collegeAddress: Haffey Hall Apt 503
148        advisorID: 345678901
149      departmentID: 500
150        graduated: 1
151    ************************* 4. row *************************
152        studentID: 133333330
153        lastName: Miller
154        firstName: Guy
155      homeAddress: 32 Oak St., Plymouth, MI
156    collegeAddress: Haffey Hall Apt 503
157        advisorID: 345678901
158      departmentID: 500
159        graduated: 1
160    ************************* 5. row *************************
161        studentID: 233333333
162        lastName: French
163        firstName: Bryan
164      homeAddress: 3243 Main, Avon, NY
165    collegeAddress: Haffey Hall Apt 503
166        advisorID: 345678901
167      departmentID: 500
168        graduated: 1
```

```
169  ************************* 6. row *************************
170      studentID: 987220220
171       lastName: Habermas
172      firstName: Kim
173    homeAddress: 2222 South Main, Plymout, MI
174  collegeAddress: Haffey Hall Apt 999
175      advisorID: 012345678
176   departmentID: 4002
177      graduated: 0
178  ************************* 7. row *************************
179      studentID: 987654321
180       lastName: Wilcox
181      firstName: Dawn
182    homeAddress: 888 East Brook Ave.
183  collegeAddress: UNknown
184      advisorID: 012345678
185   departmentID: 2000
186      graduated: 0
187  ************************* 8. row *************************
188      studentID: 987659009
189       lastName: Smith
190      firstName: Dawn
191    homeAddress: 202 South St., Rochester, NY
192  collegeAddress: Haffey Hall Apt 301
193      advisorID: 012345678
194   departmentID: 2000
195      graduated: 0
196  8 rows in set (0.00 sec)
197
198  mysql> SELECT * FROM student;
199  --------------
200  SELECT * FROM student
201  --------------
202
203  +-----------+----------+-----------+----------------------------+--------------------+-----------+----------
        ---+-----------+
204  | studentID | lastName | firstName | homeAddress                | collegeAddress     | advisorID |
        departmentID | graduated |
205  +-----------+----------+-----------+----------------------------+--------------------+-----------+----------
        ---+-----------+
206  | 120050789 | Floeser  | Michael   | 2 Main, Honeoy,Falls NY    | Brigs Hall Apt 503 | 012345678 | 4002
        |         0 |
```

```
207 | 121212121 | Habermas | Jim     | 32 Main, Plymouth, MI       | Haffey Hall Apt 503 | 234567890 | 4003
    |         1 |
208 | 123123123 | Burns    | Jeff    | 8015 Arlington, Plymouth, MI | Haffey Hall Apt 503 | 345678901 | 500
    |         1 |
209 | 133333330 | Miller   | Guy     | 32 Oak St., Plymouth, MI    | Haffey Hall Apt 503 | 345678901 | 500
    |         1 |
210 | 233333333 | French   | Bryan   | 3243 Main, Avon, NY         | Haffey Hall Apt 503 | 345678901 | 500
    |         1 |
211 | 987220220 | Habermas | Kim     | 2222 South Main, Plymout, MI | Haffey Hall Apt 999 | 012345678 | 4002
    |         0 |
212 | 987654321 | Wilcox   | Dawn    | 888 East Brook Ave.         | UNknown             | 012345678 | 2000
    |         0 |
213 | 987659009 | Smith    | Dawn    | 202 South St., Rochester, NY | Haffey Hall Apt 301 | 012345678 | 2000
    |         0 |
214 +-----------+----------+---------+-----------------------------+---------------------+-----------+----------
    ---+-----------+
215 8 rows in set (0.00 sec)
216
217 mysql> INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID, graduated)
218     -> VALUES ("222222222","Hass","Jack","Watson Hall, RIT","012345678","4002",0);
219 --------------
220 INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID, graduated)
221 VALUES ("222222222","Hass","Jack","Watson Hall, RIT","012345678","4002",0)
222 --------------
223
224 Query OK, 1 row affected (0.00 sec)
225
226 mysql> INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID, graduated)
227     -> VALUES ("333333333","Hancock","John","Watson Hall, RIT","012345678","4002",0);
228 --------------
229 INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID, graduated)
230 VALUES ("333333333","Hancock","John","Watson Hall, RIT","012345678","4002",0)
231 --------------
232
233 Query OK, 1 row affected (0.00 sec)
234
235 mysql> INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID, graduated)
236     -> VALUES ("444444444","Hanks","Tom","Watson Hall, RIT","012345678","4002",0);
237 --------------
238 INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID, graduated)
239 VALUES ("444444444","Hanks","Tom","Watson Hall, RIT","012345678","4002",0)
240 --------------
```

```
241
242   Query OK, 1 row affected (0.00 sec)
243
244   mysql> INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID, graduated)
245       -> VALUES ("555555555","Holland","Sam","Watson Hall, RIT","012345678","4002",0);
246   --------------
247   INSERT INTO student (studentID, lastName, firstName, collegeAddress,advisorID, departmentID, graduated)
248   VALUES ("555555555","Holland","Sam","Watson Hall, RIT","012345678","4002",0)
249   --------------
250
251   Query OK, 1 row affected (0.00 sec)
252
253   mysql> SELECT studentID, lastName, firstName, collegeAddress, advisorID, departmentID
254       -> FROM student
255       -> ORDER BY lastname, firstname;
256   --------------
257   SELECT studentID, lastName, firstName, collegeAddress, advisorID, departmentID
258   FROM student
259   ORDER BY lastname, firstname
260   --------------
261
262   +-----------+----------+-----------+--------------------+-----------+--------------+
263   | studentID | lastName | firstName | collegeAddress     | advisorID | departmentID |
264   +-----------+----------+-----------+--------------------+-----------+--------------+
265   | 123123123 | Burns    | Jeff      | Haffey Hall Apt 503 | 345678901 | 500          |
266   | 120050789 | Floeser  | Michael   | Brigs Hall Apt 503  | 012345678 | 4002         |
267   | 233333333 | French   | Bryan     | Haffey Hall Apt 503 | 345678901 | 500          |
268   | 121212121 | Habermas | Jim       | Haffey Hall Apt 503 | 234567890 | 4003         |
269   | 987220220 | Habermas | Kim       | Haffey Hall Apt 999 | 012345678 | 4002         |
270   | 333333333 | Hancock  | John      | Watson Hall, RIT    | 012345678 | 4002         |
271   | 444444444 | Hanks    | Tom       | Watson Hall, RIT    | 012345678 | 4002         |
272   | 222222222 | Hass     | Jack      | Watson Hall, RIT    | 012345678 | 4002         |
273   | 555555555 | Holland  | Sam       | Watson Hall, RIT    | 012345678 | 4002         |
274   | 133333330 | Miller   | Guy       | Haffey Hall Apt 503 | 345678901 | 500          |
275   | 987659009 | Smith    | Dawn      | Haffey Hall Apt 301 | 012345678 | 2000         |
276   | 987654321 | Wilcox   | Dawn      | UNknown             | 012345678 | 2000         |
277   +-----------+----------+-----------+--------------------+-----------+--------------+
278   12 rows in set (0.00 sec)
279
280   mysql> SELECT lastName, firstName, collegeAddress, homeAddress FROM student;
281   --------------
282   SELECT lastName, firstName, collegeAddress, homeAddress FROM student
```

```
283   --------------
284
285   +----------+-----------+--------------------+-----------------------------+
286   | lastName | firstName | collegeAddress     | homeAddress                 |
287   +----------+-----------+--------------------+-----------------------------+
288   | Floeser  | Michael   | Brigs Hall Apt 503 | 2 Main, Honeoy,Falls NY     |
289   | Habermas | Jim       | Haffey Hall Apt 503 | 32 Main, Plymouth, MI      |
290   | Burns    | Jeff      | Haffey Hall Apt 503 | 8015 Arlington, Plymouth, MI |
291   | Miller   | Guy       | Haffey Hall Apt 503 | 32 Oak St., Plymouth, MI   |
292   | Hass     | Jack      | Watson Hall, RIT   | NULL                        |
293   | French   | Bryan     | Haffey Hall Apt 503 | 3243 Main, Avon, NY        |
294   | Hancock  | John      | Watson Hall, RIT   | NULL                        |
295   | Hanks    | Tom       | Watson Hall, RIT   | NULL                        |
296   | Holland  | Sam       | Watson Hall, RIT   | NULL                        |
297   | Habermas | Kim       | Haffey Hall Apt 999 | 2222 South Main, Plymout, MI |
298   | Wilcox   | Dawn      | UNknown            | 888 East Brook Ave.         |
299   | Smith    | Dawn      | Haffey Hall Apt 301 | 202 South St., Rochester, NY |
300   +----------+-----------+--------------------+-----------------------------+
301   12 rows in set (0.00 sec)
302
303   mysql> SELECT concat(lastName, ", ", firstName) AS "Student_Name" FROM student
304       -> ORDER BY Student_Name;
305   --------------
306   SELECT concat(lastName, ", ", firstName) AS "Student_Name" FROM student
307   ORDER BY Student_Name
308   --------------
309
310   +-----------------+
311   | Student_Name    |
312   +-----------------+
313   | Burns, Jeff     |
314   | Floeser, Michael |
315   | French, Bryan   |
316   | Habermas, Jim   |
317   | Habermas, Kim   |
318   | Hancock, John   |
319   | Hanks, Tom      |
320   | Hass, Jack      |
321   | Holland, Sam    |
322   | Miller, Guy     |
323   | Smith, Dawn     |
324   | Wilcox, Dawn    |
```

```
325  +------------------+
326  12 rows in set (0.00 sec)
327
328  mysql> SHOW TABLES;
329  --------------
330  SHOW TABLES
331  --------------
332
333  +-------------------+
334  | Tables_in_college |
335  +-------------------+
336  | advisor           |
337  | departments       |
338  | otherdeptfac      |
339  | student           |
340  | ta                |
341  +-------------------+
342  5 rows in set (0.00 sec)
343
344  mysql> NOTEE
345
```