

ITEC 3335
Database Development
Fall 2019
Homework #2

Install MySQL 8.0.

Install the database toyu in your MySQL by [executing the sql file: Createtoyu.sql.txt](#) in MySQL console. You may use the command:

```
mysql> source C:\...youthere...\Createtoyu.sql.txt
```

Provide the MySQL commands for the following queries.

(1) Show the first name, last name, major, minor and credits of every student who has 30 or more credits.

```
+-----+-----+-----+-----+-----+
| fname | lname  | major | minor | credits |
+-----+-----+-----+-----+-----+
| Tony  | Hawk   | CSCI  | CINF  | 40      |
| Mary  | Hawk   | CSCI  | CINF  | 35      |
| David | Hawk   | CSCI  | ITEC  | 66      |
| Larry | Johnson| ITEC  |       | 66      |
| Bill  | Ching  | ARTS  | ENGL  | 90      |
| Linda | King   | ARTS  | CSCI  | 125     |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

(2) Show the code, name, and number of faculty of every department in the following format.

```
+-----+-----+-----+
| code | department                | Number of faculty |
+-----+-----+-----+
| ACCT | Accounting                 | 10                |
| ARTS | Arts                       | 5                 |
| CINF | Computer Information Systems| 5                 |
| CSCI | Computer Science           | 12                |
| ENGL | English                     | 12                |
| ITEC | Information Technology      | 4                 |
| MATH | Mathematics                 | 7                 |
+-----+-----+-----+
7 rows in set (0.00 sec)
```

(3) Show the first name, last name and major department name of every student minoring in ITEC in the following manner.

```
+-----+-----+-----+
| fname | lname  | major                |
+-----+-----+-----+
| David | Hawk   | Computer Science     |
| Lillian| Johnson| Computer Information Systems|
+-----+-----+-----+
```

2 rows in set (0.00 sec)

(4) Show the student name and her advisor name of every student who has a faculty advisor from the department 'CSCI' or 'ITEC' in the following manner.

fname	lname	faculty's first name	faculty's last name
Tony	Hawk	Paul	Smith
Mary	Hawk	Paul	Smith
David	Hawk	Paul	Smith
Catherine	Lim	Deborah	Gump
Larry	Johnson	Deborah	Gump

5 rows in set (0.00 sec)

(5) Show the student name, her advisor name, her major department name and credits of every student who has completed 50 or less credits in the following manner.

fname	lname	faculty's first name	faculty's last name	major	credits
Tony	Hawk	Paul	Smith	Computer Science	40
Mary	Hawk	Paul	Smith	Computer Science	35
Catherine	Lim	Deborah	Gump	Information Technology	20
Linda	Johnson	Daniel	Kim	Computer Information Systems	13
Lillian	Johnson	Daniel	Kim	Computer Information Systems	18

5 rows in set (0.00 sec)

(6) Show the student id, together with the name, semester, year and grade of 'ITEC' course taken in the following manner.

stuId	course	semester	year	grade
100005	Database Development	Fall	2019	A-
100006	Database Development	Fall	2019	A
100005	Introduction to Scripting	Fall	2019	B+

3 rows in set (0.00 sec)

The solutions should be put into a single text file, with proper description. Name the file: H2_<<Your name>>_<<Your Student ID>>.sql. Your TA should be able to execute your sql file directly for grading.

As usual, submit the homework through Blackboard. Naming convention should be the same for all homework submission: h<assignment number>_itec3335_<<sid>>_<lastname>.<extension>. For example, H2_itec3335_0111006_Bond_Jane.sql. If Blackboard does not allow the submission of a .sql file, append .txt and resubmit.