

**ITEC 3335  
Database Development  
Fall 2018  
Homework #8**

**Embedded SQL in Python**

Write a simple Python program, h8q1.py, to connect to the database toyu in dcm.uhcl.edu server to print out product information about a product line with number provided as the only command line argument. You must use PyMySQL driver for this assignment. For example:

```
...>python h8q1.py ITEC
Classes enrolled by students majoring in dept ITEC:
-----
Catherine Lim: 0.
Larry Johnson: 2.

...>python h8q1.py CSCI
Classes enrolled by students majoring in dept CSCI:
-----
David Hawk: 3.
Mary Hawk: 2.
Tony Hawk: 5.

...>python h8q1.py CINF
Classes enrolled by students majoring in dept CINF:
-----
Lillian Johnson: 2.
Linda Johnson: 4.
```

Your program can use the file:

dbconfig.py:

```
import configparser

# simplistic and no error handling.
def get_mysql_param(filename='dbconfig.ini', section='mysql'):

    config = configparser.ConfigParser()
    config.read(filename)

    return config['mysql']
```

This py program parses dbconfig.ini:

```
[mysql]
host = dcm.uhcl.edu
database = toyu
user = your_dcm_MySQL_account_credential
password = your_dcm_MySQL_account_credential
```

(During your development, you may use your own local copy of toyu in your own computer. If so your dbconfig.ini should be:

```
[mysql]
host = localhost
database = toyu
user = your_local_MySQL_account_credential
password = your_local_MySQL_account_credential
```

Turn in a screenshot of the output and the python program h8q1.py. Your TA should be able to run your python program locally.

Submit the homework through Blackboard using the useful file naming convention.