

CSCI 2020 Database Fundamentals

HW3

Submit as a text document called *LastnameFirstnameHW3.sql* to the drop box.
Print a hard copy and submit to your instructor on the due date.

Notes:

- **Be sure all style guidelines are complied with.** (SQL style guidelines are available in the Additional Material section of Content in D2L).
- Your file should include a **header block of comments** as shown in the SQL Style Guidelines.
- **Be sure to add a comment above the solution to each task.** The comment should include the task number and the task itself.
Ex. 1) List all contents of the INSTRUCTOR table.

The code should look like:

```
/* 1 – list all contents of the INSTRUCTOR table */  
select * from INSTRUCTOR;
```
- To make your code more readable, I would prefer that you **format your select statements as follows:** (note the from, where and order by are all on separate lines indented under the select)

```
select COLUMNS_HERE  
  from TABLE_HERE  
  where CONDITION1_HERE  
        or CONDITION2_HERE  
  order by COLUMN_HERE;
```
- **You are submitting a file that has the sql code in it, not the results.** I must be able to run your .sql file in its entirety. Make sure that comments are added properly.

TASKS

- 1) List the name of the instructor (given and family name), the course id, classroom and days for any course taught in any room of Nicks Hall in the Fall of 2007 (073). Display a blank instead of NULL for the given name if no name exists. Label the column GIVEN_NAME.
- 2) List the names of all students who took a CSCI course during any Fall semester. The output should be ordered by given name then family name then course id. The output should be in the form: *John Smith took CSCI1250 in the Fall of 07*
- 3) List the department name and year founded for departments founded more than 50 years ago. Label the output "Depts founded 50+ yrs ago". The output should be in the form: *The ARTA department was founded in 1970*
- 4) Give a 1 column listing of id's and ssn's for any student from Earth. Label the output "Students from Earth" (Hint, for each student from earth you will have both an id and an ssn in the list).
- 5) List the name of the student, name of the course taken and the grade in the course for any student who has taken a Piano course. (Hint: do not use the course id's to find this information. Your keyword here is Piano)
- 6) List the names of students who took a course by Chewbacca during 2008. Do not list the same name more than once.
- 7) Assuming the course was paid for on a credit-hour basis, how much did the PHYS2010 course that James Kirk took cost? Label the output "Total Course Fee".