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# COP 4710 - Database Management(U01A)

## Specification5

Jun 9, 2014

### COP-4710 Assignment-5

Due: Mon, Jun 16  
Before class begins

The purpose of this assignment is to familiarize with the design of embedded SQL retrieval queries.

Create the company database with six tables ( Script Tables Description ).

Write an embedded SQL program (asg5.java) with Java as the host language that would prompt for an input text file (that contains one project number per line with no hyphens or spaces).

For each **input line**,

if the input project number value is invalid, print a invalid input message

otherwise, output the following:

- project number
- name of the project
- name of the department that controls the project
- name of the manager of the department
- the number of work assignments for the project

**Also**, list the average number of work assignments per (valid) project (a single value for the entire input file)

Assume that the input file contains at least one valid project number.

Use dynamic SQL queries with parameters and the queries should not use any data values (given in the sample data set).

You are encouraged to use several embedded dynamic SQL queries and share values among them through Java variables.

Upload the embedded query program (asg5.java) with adequate comments through the class website.

Submit a print out of this file and its output along with the following signed declaration: