PROG8080 Database Management Assignment 7

Use the SIS database for this assignment. Due August 13 11:59pm

#	Grouping and Aggregation queries	Table(s)	Marks
0.	SET ANSI_WARNINGS OFF;		0
1.	Show the count of the employees in the **Employee** table who work in the School of Business, aliased as 'Employees in the School of Business'	Employee	2
2.	List the students, and their final marks, who took PROG8080 during the Fall 2009 semester and achieved a higher than average mark in the course. List each student's student number and mark, along with their first and last name, in ascending order of last name.	CourseStudent Person CourseOffering	6
3.	Show **CourseOffering** *courseNumber*, **CourseStudent** minimum *finalMark* aliased as 'Lowest Mark', **CourseStudent** average *finalMark* aliased as 'Average Mark' and **CourseStudent** maximum *finalMark* aliased as 'Maximum Mark' for the Fall 2010 session grouped by *courseNumber*. Report all grades as whole numbers. ``` Course Minimum Mark Average Mark Maximum Mark CDEV1020 90 95 99 INFO1030 56 68 79 INFO1570 80 90 99 INFO8000 61 72 89 PROG8080 70 81 94 PROG8090 56 76 98 (6 row(s) affected) ```	CourseOffering CourseStudent	5
4.	List the students (student number, first and last name) who have thus far paid less in total for their education than the average amount paid by all students.	Audit, Person	7
5a.	List the number of courses taught by employees in the School of Engineering and IT, for those courses offered in any semester of 2008 or 2009. Include in the result the employee number, first name, and last name, along with the count of the number of courses that they taught, aliased with "Courses Taught". Order the result by employee last name. Use only inner joins. ``` employeeNumber firstName lastName Courses Taught 7572373 KATHY HUHN 3 3455730 DALE KARSH, 2 3566163 ABDOLSAMAD KATHIRESAN 2 3514239 RAKESH WEKENMANN 3 8135170 RICK WHETSTONE 3 2117745 LYNDOL YUROVIC 3 ```	Person, School, Employee, CourseOffering	9

#	Grouping and Aggregation queries	Table(s)	Marks
5b.	Modify the query used in Question (5a) and include all faculty in the School of Engineering and IT, even if they did not teach any courses in the years 2008 or 2009. number firstName lastName Courses Taught 7572373 KATHY HUHN 3 3455730 DALE KARSH, 2 3566163 ABDOLSAMAD KATHIRESAN 2 3214350 PAULETTE SIMS 0 3514239 RAKESH WEKENMANN 3 8135170 RICK WHETSTONE 3 2117745 LYNDOL YUROVIC 3 4427732 ANGEL ZABLAN 0	Person, School, Employee, CourseOffering	6
6.	Produce a list of all of the co-op programs in the SIS database and the total tuition for those programs over all semesters. As these amounts are for co-op programs, the base tuition amount must be increased by the corresponding co-op multiplier for each specific program. Output the program acronym and program name in the result, along with the total tuition. Hint: the Computer Programmer (CP) program is not a co-op program. Order the results by program acronym, and format the total tuition amounts using dollars and cents. Acronym name Total Fees CAD Computer Applications Development (Coop) $ 6,760.00 CPA Computer Programmer/Analyst (Coop) $ 9,632.00 ITID IT Innovation and Design (Coop) $ 9,642.56 ITSS Information Technology Support Services (Coop) $ 7,248.00	Program ProgramFee	5
7.	List the students and the total amount paid for those students who have paid total fees of at least triple the average payment amount. Include the students' first and last names in the result. Order the result of first name within last name. Alias the total amount paid as [Fee Payment Total]. Format the monetary amount using dollars and cents notation. studentNumber firstName lastName Fee payment total 2642726 SANDRA BICKERS $ 13,159.00 3868247 MELINDA KALINOWSKI $ 13,159.00 7826662 GARY MCLAUGHLIN $ 6,791.44 1335314 JOSEPH NOLAN $ 10,000.00	Person Payment	5
8.	SET ANSI_WARNINGS ON;		
Total marks:			45