Week 1 Homework

Write SQL statements to solve the following requests from the WORK FORCE database that you built running the script that I sent you. Do your best to complete these before class, send me what you have done by the start of class, then we will discuss issues and you can clean yours up and resubmit if need be afterwards.

In Class we talked about 3 basic SQL Statements: SELECT, FROM, and WHERE. You will use them to answer the following:

1. List all employee information in department 30.
2. List employees name, job, and salary that is a manager and has a salary > $1,000
3. Repeat exercise 2 for any employee that is **not** a manager **or** earns a salary > $1,000
4. Show all employee names and salary that earn between $1,000 and $2,000. Use the between operator.

In question 5, you could solve the problem by use of an OR in the WHERE statement, or you could use a keyword called IN, I would like you to solve it both ways. You can find an example of using IN at

<http://www.zentut.com/sql-tutorial/sql-in/>

1. Select all employees that are in department 10 and 30. Use the IN operator.

Questions 6 and 7 use a keyword in the WHERE statement called LIKE, you can find an example of it at <http://www.zentut.com/sql-tutorial/sql-like/>

1. Select all employee names with an “A” in the first position of the employee name. Use the substring function (we did not discuss this, search for it) or a wild card.
2. Select all employees with an “A” as the second character of their name. Use a wildcard.

Questions 8 and 9 use a new statement that we didn’t talk about called ORDER BY, it performs a sort on your information, you can find an example of it at <http://www.zentut.com/sql-tutorial/sql-order-by/>

1. List the employee names in alphabetical sequence.
2. List the job, salary, and employee name in job order and then salary in descending order.

Question 10 uses a new keyword in the SELECT statement called DISTINCT, you can find an example of it at <http://www.zentut.com/sql-tutorial/sql-distinct/>

1. Show a list of different jobs. Eliminate repeating values.

Yes, I know it isn’t necessarily easy. Do your best to answer the questions, skip the ones that are hardest and do them last so you get the most done that you are capable of for Wednesday.

When doing the assignment,

1. Start Notepad and SQL Management Studio
2. In Notepad, make sure to put your name, assignment name, and a blank line at the top
3. In Management Studio change the setting at the top to output to text
4. Copy each question into Management Studio and put 2 dashes in front of it, this should turn it green which means it’s a comment
5. Then write your code underneath and execute it.
6. In Management Studio, highlight the question and your code and paste it into Notepad, enter a blank line
7. Then highlight the answer and paste it into Notepad, enter 2 blank lines
8. Repeat Step 4-7 for the remaining questions
9. Name your Notepad File – “Your Name - Homework Week 1”

Good Luck!