

Assignment:SQL Stored Procedure and User-Defined Functions Assignment

A company wants to offer bonuses at the end of the year to reward its employees. The total payment should not exceed \$50 million.

We decided to design a plan to distribute these bonuses correctly using the employees records of a certain company, we tried to figure out solutions for the following problems:

- We had to find out the average salary between the female and male employees to see if there was a noticeable difference and whether or not offering a higher bonus was needed to compensate for it.
- We also needed to know the employees' years of service with the company to decide the difference in bonuses.
- If the employees' contracts are about to end (February 1,2001) we had to convince them to stay with us.

For the first issue we calculated the average of both the female and male employees and the results were as follows:

Average Salary for female employees : \$63769.122

Average Salary for male employees : \$63755.9134

As we can see there isn't much of a noticeable difference in salaries so there will be no need to provide higher bonuses to compensate either of them.

As for the second part the employees years of service were varying between 15 to 16 years and less. So we decided that employees who have over 15 years of service would have a 5% bonus and employees who have over 10 years of service would have a 3% bonus.

As for the last issue we found that 52 employees are ending their contract in February so we can convince them to stay with us by offering a raise based on their years of service like the previous issue. If they don't fall within those categories we can interest them in a 1000\$ raise or a better health insurance plan for them.

