

## **Lab # 4: SQL: Single Row Functions, Multiple Row Functions**

**Subject:** Database Systems

**Course:** BESE15 B

**Date:** 12<sup>th</sup> October, 10

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### **TASK:**

1. Write a query to display the current date. Label the column.
2. Display the employee id, name, salary and salary increase by 15% expressed as a whole number.
3. Write a query that displays the employee name with first letters capitalized for all employees whose name starts with J, A or M.
4. For each employee, display the employee's name, and calculate the number of months between today and date of hiring. Label the column Months\_Worked. Order your results by the number of months employed. Round the number of months to closest whole number.
5. Create a query to display the name and salary for all employees. Format the salary to be 15 digits long.
6. Display each employees name, hire date, and salary review date which is the first Monday after six months of service. Label the column review. Format the dates to appear similar to "Monday, the Thirty first of July, 2000"
7. Create a query that displays the employees' name and commission amounts. If an employee does not earn commission, put commission as zero.
8. Using decode function, write a query that displays the grades of all employees based on value of job column, as per following data:
  - a. Job                                      Grade
  - b. President                              A
  - c. Salesman                              B
  - d. Clerk                                      C
  - e. None of the above                      D