



**DEPARTMENT OF COMPUTER SYSTEMS ENGINEERING**  
**MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO**  
**Database Systems**  
**Lab Experiments**

**Consider following tables to write SQL queries.**

**EMP (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO )**

**DEPT (DEPTNO, DNAME, LOC)**

**Lab 5: To use Single row functions in SQL queries.**

1. Display the employee's name in upper case letters and their salary rounded to two decimal places.
2. Display the employee name and their annual salary including commission amount. If the commission is null replace it with 0.
3. Display Employee's name with the first letter capitalized and all other letters lowercase and the length of their name, for all employees whose name starts with J, A, or M. Give each column appropriate names.
4. Display the name, hiredate, and day of the week on which the employee started. Label the column **First Day**.
5. For each employee, display the employee name and calculate the number of months between today and the date the employee was hired. Label the column MONTHS\_WORKED. Order the result by the number of months employed. Round the number of months up to the closest whole number.
6. Display the Employee number, name, salary, and salary increase by 15% expressed as a whole number. Label the column New Salary.
7. Display the employee name, hiredate, and salary review date, which is the first Monday after six months of service. Label the column REVIEW. Format the dates to appear in the format similar to "Sunday, the seventh of September, 1981".