



**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 4: To retrieve data from database using SQL SELECT Statement.**

1. Create a query to display unique departments from EMP table.
2. Display the employee name, job, and joining date of employees hired between February 20, 1981 and May 1, 1981. Order the query in ascending order by joining date.
3. Display the names of all employees who have two 'L' in their name and are in department 30 or their manager is 7782.
4. Display the name, salary, and commission for all employees whose commission amount is greater than their salary increased by 10%.
5. Display the name and salary of employees who earn more than 1500 and are in department 10 or 30. Label the columns Employee and Monthly Salary, respectively.
6. List out the employees whose name start with **S** and ends with **H**.
7. Write a query that produces following for each employee:  
<employee name> earns <salary> monthly but wants <3 times salary>. Label the column Dream Salaries.
8. Display the name job and salary for all employees whose job is clerk or analyst and their salary is not equal to 1000, 3000, or 5000.
9. Display the names of all employees where the third letter of their name is an A.
10. Display name, salary and commission for all employees who earn commission. Sort the result in descending order of salary and commission.