



Faculty of Computing & Information Technology

CC-215 Database Systems Lab Manual 01

BS Software Engineering (F23) Spring 2025

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The contents of this lab are:

- 1) SELECT Statement
 - 2) WHERE Clause
 - 3) Relational Operators
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Lab Instructions:

- 1) Turn off your WiFi. Nothing should be there in front of you except a laptop, charger, maybe a paper and pen.
- 2) Don't talk to anyone in lab. Call the TA for any help you need.
- 3) Take screenshots of the outputs of all the queries and save them for the evaluation.
- 4) Do consult TA the same day for any issue in marks. Marks once uploaded on sheet will be considered final.

Time Allowed: 1 Hour, 15 Minutes

Task 1: (10 marks)

1. Display all the records from the DEPT table.
2. Display all the records from PUCIT table and emp table.
3. Display all the students from PUCIT who belongs to department of Software Engineering.
4. Display all departments except the one with DEPTNO = 10.
5. Display all salary grades except for grade 3
6. Display the record of "Adam Smith" from the PUCIT table.
7. Display all employees whose salary is greater than 2000.
8. List all employees whose manager's employee number is 7698.
9. Display only the names of those departments where DEPTNO is greater than 20.
10. Display all employees who are not managers.

Task 2: (10 marks)

1. Display all the employees who do not have a manager.
2. Display all the employees whose salary is greater than 1500 but less than 4000.
3. Display the record of "Muhammad Usman Khan" from the PUCIT table.
4. Display all those employees whose salary, after a 20% increase will be greater than 4000.
5. Display all those employees whose empno is greater than 7600 and whose deptno is 20.

Task 3: (10 marks)

1. Display all those grades from the SALGRADE table where the difference in salary range is more than 1500 and high salary is less than 3000.
 2. Display all the employees whose salary plus commission is greater than 2500.
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