



**National University of Computer & Emerging Sciences, Karachi**  
**Computer Science Department**  
**Fall 2024, Lab Manual – 01**



<b>Course Code: CL-2005</b>	<b>Course: Database Systems Lab</b>
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**LAB TASKS:**

1. Write a SQL statement to display all the information of table **Location**.
2. Write a query to find City whose CountryID is “US”.
3. Write a SQL statement to display all the information of table **Jobs** where Max salary is greater than 30,000.
4. Write a SQL query to find the **Jobs** whose Max salary is lesser than or equal to \$40000 and Min Salary is Greater than 15000 from **Jobs table**.
5. Write a SQL query to find min and max salary of the Job table with Job title ‘Accountant’ from **Jobs** table.
6. Write a SQL query to find the Jobs whose salary are higher than or equal to \$15000 from **Employees** table.
7. Write a SQL query to find the details of employees whose last name is Austin. Return employee ID, employee first name, employee last name and employee dept ID.
8. Write a SQL query to find the details of the employees who work in the department 57. Return employee ID, employee first name, employee last name and employee dept ID.
9. Write a query to find the PHONE\_NUMBER of the DEPARTMENT\_ID=100 and MANAGER\_ID=108 of **Employees** table.
10. write a SQL query to find the Employees with the First name “John” “Valli” and “Bruce”
11. Write a query to find the list of cities with country ID ‘IT’ from **locations** table.
12. Write a query to find the list of city except country ID ‘IN’ and ‘CH’ from **locations** table.
13. Write a query to find the list of jobs whose min salary is greater than 8000 and less than 15,000 from **job** table.
14. Write a query to find list of phone with DEPARTMENT\_ID ‘90’ but not with job\_id ‘IT\_PROG’ from **Employees** table.
15. Write a query to find the list of employees who are hired after '12-Dec-07' from employee table.
16. Write a query to find the list of employees who are hired after '12-Dec-07' in Department with DEPARTMENT\_ID=100 from employee table.
17. Write a query to find the list of employees who are hired after '12-Dec-07' but not in Department with DEPARTMENT\_ID=100 from employee table.
18. Write a query to find the list of employees whose COMMISSION\_PCT=0 and they do not belong to DEPARTMENT\_ID 90 or 100 from **Employees** table
19. Write a query to find the employees who are hired in year 2010 from **Employees** table.
20. Write a query to find the list of jobs whose min salary is greater than 8000 and less than 15,000 from **job** table.
21. Write a query to find employee whose ID are greater than 100 and less than 150 and their department\_id is greater than 90 and less than 100 along with their F\_name, Last\_name & Job ID.
22. Write a query to find total salary along with salary & commission\_pct Total salary formula = commission\_pct, salary+(commission\_pct\*salary)