

LAB – 01

Hope you are fine and feeling yourself comfortable and exciting to play with Structured Query Language (SQL) in this lab. You have been taught in the lecture about SQL and query writing. Why not to get all what you have learned with a hands-on experience? So, let's Start!

The objective of this lab is to:

1. Introduction to SQL language
2. Basic SQL queries.

Course & Lab Instructor: Sir Asif Sohail

Instructions:

- Gossips are not allowed. So be gentle and do what you know. The lab is not to deduct your sessional marks but to prepare you to achieve good marks in quizzes, mid and finals and finally have good grades. So, try to perform all your tasks in time and at your own.
- Teacher assistants are for your help, so be nice with them. Respect them as they are teaching you. Raise your hands if you have some problem and need help from TA.
- Avoid calling them by raising your voice and disturbing the environment of Lab.
- You must revise the content of the past lectures before starting the lab, it will help you resolve most of your general queries and give you the confidence that you can do it.
- Evaluation will be considered final and you cannot debate for the marks. So, focus on performing the tasks when the time is given to you.
- TA may deduct your marks for any kind of ill-discipline or misconduct from your side.
- Evaluation of tasks will be conducted in lab.
- Anyone caught being indulged in the act of plagiarism would be awarded an “F” grade in lab.
- Finally, pray before you start. And, Best of Luck!
- **Max Time: 50mins.**

Task 01:

[7 Marks]

1. Display records of all the employees having salary more than 2000 and they earn commission.
2. Show department number and location of accounting and sales department.
3. Display name and salary for all employees whose salary is not in the range of 1500 and 2850.
4. List all employees who are either MANAGER or CLERK.
5. List all SALESMAN displaying ename, sal and a derived column “Revised Sal” that adds 500 rupees in their salary.
6. List all employees who are working in department number 10.

7. List all employees who are not SALESMAN.
8. Find those employees whose job is either SALESMAN or CLERK and their mgr is 7902 or 7566 or 7698. The query should also
9. display all the ANALYSTS as well.
10. Find those employees whose commission is more than 10% of their salaries.
11. Find the daily wages of each employee.
12. List all employees having salary between 2000 and 3000.
13. List all employees who are either CLERK or are working in department number 10 and have sal greater than 1000.