

Index

Practical-1

Implementation of DDL commands of SQL with suitable examples

- Create table
- Alter table
- Drop Table

Practical-2

Implementation of DML commands of SQL with suitable examples

- Insert
- Update
- Delete

Practical-3

Implementation of different types of function with suitable examples

- Number function
- Aggregate Function
- Character Function
- Conversion Function
- Date Function

Practical-4

Implementation of different types of operators in SQL

- Arithmetic Operators
- Logical Operators
- Comparison Operator
- Special Operator
- Set Operation

Practical-5

Implementation of different types of Joins

- Inner Join
- Outer Join
- Natural Join etc.

Practical-6

Study and Implementation of

- Group By & having clause
- Order by clause
- Indexing

Practical-7

Study & Implementation of

- Sub queries
- Views

Practical-8

Implementation of different types of constraints.

Practical-9

Implementation of Database Backup & Recovery commands.

Practical-10

Study & Implementation of Rollback, Commit, Savepoint.

Practical No.11

Question:

(Exercise on retrieving records from the table) EMPLOYEES (Employee_Id, First_Name, Last_Name, Email, Phone_Number, Hire_Date, Job_Id, Salary, Commission_Pct, Manager_Id, Department_Id)

- (a) Find out the employee id, names, salaries of all the employees
- (b) List out the employees who works under manager 100
- (c) Find the names of the employees who have a salary greater than or equal to 4800
- (d) List out the employees whose last name is 'AUSTIN'
- (e) Find the names of the employees who works in departments 60,70 and 80
- (f) Display the unique Manager_Id

Practical No: 12

Question:

(Exercise on updating records in table) Create Client_master with the following fields(ClientNO, Name, Address, City, State, bal_due)

- (a) Insert five records
- (b) Find the names of clients whose bal_due > 5000 .
- (c) Change the bal_due of ClientNO " C123" to Rs. 5100
- (d) Change the name of Client_master to Client12 .
- (e) Display the bal_due heading as "BALANCE" Client master table:

Practical No: 13

Question:

Rollback and Commit commands

Create Teacher table with the following fields(Id,Name, DeptNo, Date of joining, DeptName, Location, Salary)

- (a) Insert five records
- (b) Give Increment of 25% salary for Mathematics Department .
- (c) Perform Rollback command
- (d) Give Increment of 15% salary for Commerce Department
- (e) Perform commit command

Practical No: 14

Question:

(Exercise on order by and group by clauses) Create Sales table with the following fields(Sales No, Salesname, Branch, Salesamount, DOB)

- (a) Insert five records
- (b) Calculate total salesamount in each branch
- (c) Calculate average salesamount in each branch .
- (d) Display all the salesmen, DOB who are born in the month of December as day in character format i.e. 21-Dec-09
- (e) Display the name and DOB of salesman in alphabetical order of the month.

Practical No: 15

Question:

Create an Emp table with the following fields:(EmpNo, EmpName, Job,Basic, DA, HRA,PF, GrossPay, NetPay)

(Calculate DA as 30% of Basic and HRA as 40% of Basic)

- (a) Insert Five Records and calculate GrossPay and NetPay.
- (b) Display the employees whose Basic is lowest in each department .
- (c) If NetPay is less than <Rs. 10,000 add Rs. 1200 as special allowances .
- (d) Display the employees whose GrossPay lies between 10,000 & 20,000
- (e) Display all the employees who earn maximum salary .

Practical No:16

Question:

Employee Database An Enterprise wishes to maintain a database to automate its operations. Enterprise is divided into certain departments and each department consists of employees. The following two tables describes the automation schemas

Dept (deptno, dname, loc)

Emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)

- a)Update the employee salary by 15%, whose experience is greater than 10 years.
- b)Delete the employees, who completed 30 years of service.
- c)Display the manager who is having maximum number of employees working under him?
- d)Create a view, which contain employee names and their manager

Practical No:17

Question:

Using Employee Database perform the following queries

- a)Determine the names of employee, who earn more than their managers.
- b)Determine the names of employees, who take highest salary in their departments.
- c)Determine the employees, who are located at the same place.
- d)Determine the employees, whose total salary is like the minimum Salary of any department.
- e)Determine the department which does not contain any employees.

Practical No:18

Question:

Using the tables “DEPARTMENTS” and “EMPLOYEES” perform the following queries

- a)Display the employee details, departments that the departments are same in both the emp and dept.
- b)Display the employee name and Department name by implementing a left outer join.
- c)Display the employee name and Department name by implementing a right outer join.
- d)Display the details of those who draw the salary greater than the average salary.