1	Implementation of Database connectivity witsh any object oriented language.
2	Create a table called Employee with the following structure.

Name	Type
Empno	Number
Ename	Varchar2(20)
Job	Varchar2(20)
deptno	Number
Sal	Number

1. Add a column commission with domain to the Employee table.
2. Insert any five records into the table.
3. Update the column details of job
4. Rename the column of Employ table using alter command.
5. Delete the employee whose empno is 19.
6. Insert the any three records in the employee table and use rollback. Check the result.
7. Add primary key constraint and not null constraint to the employee table.
8. Insert null values to the employee table and verify the result.
9. By using the group by clause, display the enames who belongs to deptno 10 along with average salary.
10. List all employees which start with either B or C.

3	**Queries using aggregate functions(COUNT,AVG,MIN,MAX,SUM), Group by, Order by, Having.**

E_id	E_name	Age	Salary
101	Anu	22	9000
102	Shane	29	8000
103	Rohan	34	6000
104	Scott	44	10000
105	Tiger	35	8000
106	Alex	27	7000
107	Abhi	29	8000

1. Create Employee table containing all Records.
2. Count number of employee names from employee table.
3. Find the Maximum age from employee table.
4. Find the Minimum age from employee table.
5. Display the Sum of age employee table.
6. Display the Average of age from Employee table.
7. Create a View for age in employee table.
8. Display views
9. Find grouped salaries of employees.(group by clause)
10. Find salaries of employee in Ascending Order.(order by clause)

4	**Employee(E_id, E_name, Age , Salary)** **Department(Deptno, Deptname, location)** 1. By using the group by clause, display the enames who belongs to deptno 10 along withaverage salary. 2. Display lowest paid employee details under each department. 3. Display number of employees working in each department and their department number. 4. Using built in functions, display number of employees working in each department and their department name from dept table. Insert deptname to dept table and insert deptname for each row,do the required thing specified above. 5. List all employees which start with either B or C. 6. Display only these ename of employees where the maximum salary is greater than or equal to5000.
5	**Student(Enrno, name, courseId, emailId, cellno,marks)** **Course(courseId, course_nm, duration)** Write SQL statements for following: 1. Find out list of students who have enrolled in "computer" course. 2. List name of all courses with their duration. 3. List name of all students start with "a". 4. List email Id and cell no of all mechanical engineering students. 5. Display number of Student in each Course and their Course number. 6. Display lowest marks of Student details under each Course. 7. Add primary key constraint and not null constraint 8. Show marks of Student in Ascending Order.(order by clause)
6	**Book_info(bookid, bname, bauthor, price, edition, publication, pur_date,)** **Student(lib_car_num, stud_name, class, branch, roll_no)** **Issue_table(issue_date, sub_date, bookid, lib_car_num, due)** Write the following SQL queries: 1. Find the details of the books issued to the library card number 1. 2. Give all the information about student and the book issued with ascending order of library card number 3. Find the author, edition, price of book. 4. Find the names of the students with dues on the book issue. 5. Add primary key constraint and not null constraint 6. Add primary key Foreign key constraint 7. Show issue_date of Issue_table in Ascending Order.(order by clause) 8. Show roll_no of Student in descending Order.(order by clause)
7	**Customer (cid, custname, custstreet, custcity)** **Account (accno, branchname, balance)** **Loan (loanno, branchname, amount)** Solve the following queries in SQL 1. Display the name of customers who have both account and loan at the bank. 2. Update amount of loan to 10000 where loan number is "L-101". 3. Change the column name custcity to ccity. 4. Find all customers who an account but no loan at bank. 5. Add primary key constraint and not null constraint 6. Add primary key Foreign key constraint 7. Show balance of Customer in Ascending Order.(order by clause) 8. Show balance of Customer in descending Order.(order by clause)
8	Implementation of Join Operations like cross join, self join, inner join, natural join, left outer join, right outer join and full outer join.