

1. Create table EMP, fields are show below :

Column Name	Type
EMPNO	NUMBER(4)
ENAME	VARCHAR2(20)
DESIGNATION	VARCHAR2(20)
JOINDATE	DATE
SAL	NUMBER(9,2)

- 2. Add a column to the existing table EMP, which will hold the grades for each employee.**
- 3. Modify the sal column of the EMP table to increase its size to 10**
- 4. Insert 3 rows into tables EMP using INSERT command**
- 5. Insert only employee number, ename and salary using INSERT.**
- 6. Insert 2 rows into table EMP using parameter substitution.**
- 7. Add column commission to the existing table EMP.**
- 8. List the information of all employees.**
- 9. List the employee names along with their salaries**
- 10. List the name and salary of the employees whose salary is more than 1000**
- 11. List the names of clerks.**
- 12. List the employee name and salary whose salary is between 1000 and 2000**
- 13. List the names of analysts and salesman.**
- 14. List the details of the employees who have joined before the end of September '81.**
- 15. List the name of employees whose employee numbers are 7839,7521 using IN operator.**
- 16. List the employee names, who have joined before 30th June '81 and after December '81.**
- 17. List the different jobs available in the emp table using DISTINCT.**
- 18. List the details of employees, whose salary is greater than 2000.**
- 19. List the employees whose names start with an "S".**
- 20. List the employee names ending with a 'S'.**
- 21. List the names of employees whose names have exactly 5 characters.**
- 22. List the employee names having 'I' as the second character.**

23. List the number of employees working with the company.
24. List the number of designation available in the emp table.
25. List the total salaries payable to employees.
26. List the maximum, minimum, average and sum of salary
27. List the maximum salary of employee working as a salesman
28. List the name of employees, who are more than 2 years old in the organization
29. List the employee details in ascending order of salary
30. List the employee name and joindate in descending order of salary.
31. List the designation and the number of employees in each designation.
32. Increase everybody's salary by 10%
33. Change the designation of ALVIN to clerk
34. Delete the records of clerks from emp table
35. Update the commission of Albert with Rs. 500.
36. Update the commission with Rs. 100, if the commission is NULL.
37. Increment 20% in salary of employees with grade A & B.
38. Increment commission with Rs. 1000 of employees with grade C & D.
39. List the name ,salary and PF amount of all the employees(PF is calculated as 10% of salary)
40. List the employee name, salary, PF, HRA, DA and gross order the result in ascending order of gross. HRA is 50% of salary and DA is 30% of salary.

I. Create the following tables:

TABLE : STUDENT

COLUMN NAME	DATA TYPE	CONSTRAINTS
Roll_no	Number(5)	Primary Key
Name	Varchar(20)	Not null
Dept_id	Number(5)	Foreign Key
Gender	Varchar(2)	

Contact_no	Number(10)	
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TABLE : DEPARTMENT

COLUMN NAME	DATA TYPE	CONSTRAINTS
Dept_id	Number(5)	Primary Key
Dept_name	Varchar(10)	Not null

Write SQL queries for the following

1. a. Insert 5 records in each table
b. Update the contact number of student with Roll_no 005
2. a. Display the data of female students in alphabetical order.
b. Find the number of students in Electrical Department
3. Display the names and contact numbers of all students
4. Display names of Departments for which there are no students.

II. Create the following tables:

TABLE: CUSTOMER

Column name	Data type	Size	Constraints
Cust_id	Varchar	10	Primary Key
Fname	Varchar	25	Not Null
Lname	Varchar	25	
Area	Varchar	10	Kottayam ,Kollam, Kochi

Phone_number	Numeric	15	
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TABLE : INVOICE

Column Name	Data type	Size	Constraints
Inv_no	Varchar	20	Primary Key
Cust_id	Varchar	10	Foreign Key
Issue_date	Date		

Write SQL queries for the following:

1. a. Insert 5 records in each table
b. Change the issue date to 24/7/08 of cust_id '101'
2. a. Find the issue date for the customer 'JOHNS'.
b. List the customer name and invoice number of all customers
3. Find the lnames of all customers that begin with 'P' or 'B'.
4. List the customer details in the alphabetical order of their name

III. Create tables Department(Dno ,Dname) and Employee(Eno,Ename, Salary,Dno)

1. Find the no. of employees working in each department.
2. Find the employee names whose salary is greater than Rs 50,000 /- and having exactly five characters in their name.
3. List the employee names whose salary is highest.
4. To find the total salary of each department.
5. List the average salary and number of employees working in the "HR" department.

6. List the department name and the total salary payable in each department.
7. List the department names of the employee who earn lowest salary.

IV.Create tables **Customer** (Cno (PK), Cname, Ccity), **Item** (Icode (PK), Iname, Irate) and **Purchase**(Cno (FK), Icode (FK), Qty, TotalRate, Pdate)

1. List all the customers who have purchased above RS 5000/- and lives in the 'Ernakulam'city
2. List the details of the customers purchased on a particular date.
3. List the details of the customers who have purchased more than 3 items.
4. List the details of the customers who have purchased more than 5 numbers of a particular item.

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I. Create the following tables

1. BRANCH

Column Name	Type	Constraints
Bcode	Number(2)	Primary key
Bname	Varchar(32)	Not NULL
City	Varchar(20)	

2. EMPLOYEE

Column Name	Type	Constraints
Ecode	Number(3)	Primary key
Ename	Varchar(20)	Not NULL

Bcode	Number(2)	Foreign key
Designation	Varchar(20)	
Salary	Number(3)	
Doj	Date	

1. Display all the branches which have no peons.
2. Display all employee details who is working in Finson's branch.
3. To display branch name and no: of employees.
4. Display all employee details whose salary in minimum corresponding designation.
5. To display designation with highest salary
6. To display total no: of designation in each branch before 2012
7. Create view on EMPLOYEE table.
8. Create view on BRANCH table.
9. Create view to display employee name with his/her branch details.
10. Create a view to display employee details who had more than 8 years experience.
11. Create procedure to display the employee details with Ecode=10.
12. Create procedure to display all employee details.
13. Create procedure to display employee name with his/her branch details.
14. Create procedure to do the following:
 - a) Display the employee details in ascending order of their salary.
 - b) Display the details of employee who had a branch city at 'ernakulam'
15. Create a procedure to do the following:
 - a) Display the employee names along with their salaries.
 - b) Display the details of employees, whose salary is greater than 500.
16. Create a procedure to do the following:
 - a) Display employee name and designation who joined before 12th Dec 2010.
 - b) Display employee name and his/her branch name.
17. Create a procedure to do the following:
 - a) Display the details of employees who draws salary between 200 and 400.
 - b) Display the details of employees working in 'Angamaly' branch.

II. Create the following tables

1. CAR

Column Name	Type	Constraints
Carid	Number(3)	Primary key
Cmpname	Varchar(30)	
Carname	Varchar(30)	
Color	Varchar(20)	

2. DRIVER

Column Name	Type	Constraints
drid	Number(2)	Primary key
Drname	Varchar(20)	
Age	Number(2)	

3. RESERVES

Column Name	Type	Constraints
drid	Number(2)	Foreign key
Carid	Number(3)	Foreign key
Dat	Date	

1. Find the color of cars reserved by peter
2. Find the name of drivers who have reserved 'white' and 'red' car.
3. Find the name of drivers with age over 35 who have not reserved a 'black' car.

To display Driver Name and no. of cars of each driver.