

### 1. (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.

### 2. (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"

### 3. Rollback and Commit commands

Create Teacher table with the following fields(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

### 4 . (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.

### 5. 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 .

## 6. 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

## 7. 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.

## 8. Consider the following tables namely “DEPARTMENTS” and “EMPLOYEES” Their schemas are as follows,

Departments ( dept\_no , dept\_name , dept\_location );

Employees ( emp\_id , emp\_name , emp\_salary,dept\_no);

- a) Develop a query to grant all privileges of employees table into departments table
- b) Develop a query to grant some privileges of employees table into departments table
- c) Develop a query to revoke all privileges of employees table from departments table
- d) Develop a query to revoke some privileges of employees table from departments table
- e) Write a query to implement the save point.

## 9. 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.

10. Write a PL/SQL program to demonstrate Exceptions.

11. Write a PL/SQL program to demonstrate Cursors.