**Experiment No :** 7 **SQL Queries**

D**ate:** 25/10/2022

**Theory:** Write the difference between nested and correlated queries .

**Solve the below question by constructing the tables as per requirement of question and show the output in Oracle.**

1. Consider the following relations:

Employee(emp\_no,name,skill,pay\_rate)

Position(posting\_no,skill)

Duty\_allocation(posting\_no,emp\_no,day,shift)

Write the following queries in SQL

i)Retrieve employees whose rate of pay is more than or equal to thr rate of pay of employee ‘XYZ’.

ii)Find the employees with the lowest pay rate.

iii) Find the name of all employees who are assigned to all positions that require a Chef’s skill.

iv)Get a list of employees who are not assigned a duty.

v)Get the names of the employees working on at least two dates.

1. Consider the following relational schema

Pieces(Code,Name)

Provider(Code,Name)

Provides(PieceCode,ProviderCode,Price)  
Write SQL statements for the following:

1)Obtain the names of providers who supply a piece with code=’001’

2)Obtain the names of pieces provided by provider with code=’HAL’

3)Add an entry to the database to indicate that ‘skellingtom suppliers’(code=’TNBC’)will provide sprockets (code=’002’)for 7 cents each.

4)Increase the price of all pieces by 2 cents.

5) Update the database to reflect that ‘Susan Calvin Corp’(Code=’RBT’)will not supply bolts.

1. Employee(Employee\_Name,Street,City)

Works(Employee\_Name,Company\_Name,Salary)

Company(Company\_name,City)

Managers(Employee\_Name,Manager\_Name)

Write SQL queries for each of the following:

i)Update the database such that all employees whose salary is greater than 20,000 are shifted to Margao.

ii)Delete all records for employees from the works table who works for TCS.

iii)Give all employee of TCS in Banglore a 10% raise in salary.

iv)Display the number of employees from Delhi.

1. Student(Name,StudNo,Class,Major)

Course(Title,CourseNo,CreditHours,Departnment)

Section(SectionIdentifier,CourseNo,Semester,Year,Instructor)

Grade\_report(StudNo,SectionId,Grade)

Prerequisite(CourseNo,PrerequisitNo)

Answer the following queries in SQL.

i)Retrieve the titles of courses taught by Professor Sinha in 2001 and 2005

ii)For each section taught by professor Gupta retrieve the course No,Semester,year and the number of students who took the section.

iii)Retrieve the names and Major department of those students who have a grade A in all their courses.

**Conclusion:**