



# Oracle Practical

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Don't aim for success if you want it; just do what you love and believe in, and it will come naturally.



No	Name	DOB	School	Hobby	Std	Gender
1	Ajit	1-Feb-1990	Xavier	Dance	5	M
2	Alisha	12-Jul-1990	Sharda	Singing	5	F
3	Pratixa	29-Aug-1991	A-one	Cricket	5	F
4	Deepam	11-Nov-1990	H.B.K.	Painting	6	F
5	Nisha	5-Jan-1990	SantKabir	Cricket	7	F
6	Anya	16-Apr-1990	Xavier	Singing	6	F
7	Raj	25-Mar-1990	A-one	Painting	6	M
8	Monish	7-May-1990	Sharda	Karate	6	M
9	Ram	15-Oct-1990	A-one	Dance	6	M
10	Mihir	21-Dec-1991	SantKabir	Singing	6	M
11	Kavisha	9-Feb-1990	Xavier	Swimming	7	F
12	Nayan	24-Jul-1990	A-one	Cricket	7	M
13	Meet	26-Oct-1990	Somlalit	Cricket	7	M
14	Urvi	27-Oct-1990	Sharda	Dance	7	F
15	Kunj	16-Apr-1990	Xavier	Singing	8	M

### Queries

1. List out the names of the students.
2. Retrieve the list of Name, School and Std of all the students.
3. List all the students who are studying in Sharda
4. Find name of the student whose name starts with 'R'
5. Find name of the student whose name starts with VOWELS
6. Find name of the student whose name starts with consonants
7. Display all the records in ascending order of the name.
8. Display all the records in ascending order of the schoolname and descending order of the number.
9. List all the school.
10. Count the total number of students.
11. Add 4 New columns maths,sci,eng and Fees.
12. Set the fees of 6 std is 6000, 7 is 7000, 8 is 8000, 5 is 5000.
13. Add marks of the student.
14. Fetch the student records whose b'day is after 21-dec-1990
15. Count the Total male student
16. List the name of the boys
17. List the name of the boys in Sharda
18. List the records whose hobby is cricket and from somlalit.
19. Count the total fees.
20. Display unique fees.
21. Display max,min,sum of fees.
22. Display the student according to their result in ascending.
23. List the records who is studying in 7 std , male and school name is sharda.
24. Create backup table.
25. Delete all the records of Xavier.
26. Create copy of this student table and give the name "Students".
27. Create synonym of this student table.
28. Change the school name "Sharda" to "DPS".
29. Change the fees student Std 5 , 5000 to 7000.

30. Change the student fees 10000, who got last rank.
31. Create backup table of Std 5
32. Delete all students from the student table whose total marks is <50.
33. Delete all students who are in std 5 and studying in DPS.
34. Change the size of Gender field
35. Change M to male and F to female.
36. Add new column as Total of all the subjects.
37. Count number of records.
38. Delete column Fees.

SID	Name	DOB
1	Ram	
2	Raj	
3	Raima	
4	Mansi	
5	Pallvi	
6	Mit	
7	Krina	
8	Rana	
9	Disha	
10	Pooja	

ID	SID	Eng	Hindi	Guj
1	1	20		
2	1	30		
3	2	40		
4	2	45		
5	3	22		
6	4	34		
7	5	34		
8	6			
9	7			
10	8			

1. Create table as per requirement
2. Display Name of the students whose name length is 5
3. Display the name of the student and year whose name start with R
4. Display the name of the students and marks
5. Display the name of the students and total.
6. Display the name of the students and total order by total
7. Display the name and total of student who got highest marks
8. Display the name and total of student who got lowest marks
9. Display the name of the student who got highest marks in Eng

## Faculty ,FDept and Fskill

SQL> select \* from faculty;

FID	FNAME	DOB	DOJ
1	Ramesh	1-Dec-80	1-Jul-02
2	Disha	11-Mar-79	25-Aug-04
3	Shaily	21-Oct-76	11-Jan-00
4	Mansi	15-Dec-80	12-Sep-03
5	Abhishek	23-Jan-75	21-Dec-02
6	Aish	3-Jan-75	8-Jan-02
7	Rani	12-Sep-80	1-Jul-03
8	Deepali	2-Oct-77	11-Aug-05
9	Mrunal	27-Dec-78	19-Mar-06
10	Ripal	13-Nov-81	20-Feb-07
11	Mayur	18-Mar-83	31-Jan-03
12	Pratik	24-Jul-76	17-Jan-08

SQL> select \* from fdept;

DeptId	Dname
1	BCA
2	BBA
3	MCA
4	MBA

SQL> select \* from fskill;

FID	Skill	Ability	DeptID
1	Tech	Prog	1
2	Tech	Prog	1
3	Tech	Manager	1
4	Man	Teacher	2
5	Man	Prog	2
6	Man	Manager	2
7	Tech	Teacher	3
8	Tech	Manager	3
9	Tech	Prog	3
10	Man	Prog	4
11	Man	Manager	4
12	Man	Teacher	4
12	Tech	Teacher	2

## Queries

1. Display the details of all faculties with their name, DOB and skill who are born in the month of November.

2. Display the name and skill of faculties who have more than one skill.
3. Display the name and age of all the faculties in descending order of age.
4. Add a new field 'salary' in the faculty table.
5. Increase the salary by 25% of programmers and who have an experience of more than 10years.
6. Display the details of the faculties which are not joined on Friday.
7. List the details of faculties who have worked with only one department.
8. Display the number of faculties working in more than one department.
9. Display the details of faculties in the ascending order of name who are more than 23 years of age.
10. Decrease the salary by 10% of all faculties who have an experience of less than 2 years.
11. Display the department details for which there is maximum faculty.
12. Display the name and DOB if all faculties in the format 'one,december ,nineteen eighty'
13. Display the youngest faculty in 'MCA' department.
14. Display the details of 'Teacher' in order of their experience.
15. Display the details of the senior most faculty.
16. Display the number of 'Tech programmers'.
17. Display highest paid salary.
18. Display the name, skill and ability of all faculties whose name starts with A or S.
19. Display the name and age of the faculty when the faculty joined the institute.
20. Display the average salary of those whose experience is more than 3 years.
21. How many faculties joined in the month of 'December'
22. Display the details of employees who are getting the highest salary in each department.
23. Display the faculties who joined the college before 2years.
24. Display the faculties whose DOB comes in the month of 'JAN','FEB','APRIL'.
25. List the faculties who have job type 'TEACHER' and they stat their job in the month of 'December'
26. Display the names of faculties having the same skill.

**Emp**

**Empno,ENAME,MGRNO,DOB**

**Dept**

**Deptno,DNAME,CITY**

**Emp\_Dept**

**Empno,Deptno,JoinDate,Salary**

**Prerequisites**

1. ENAME should be capital
2. City in 'AHMEDABAD','HIMMATNAGAR','GANDHIDHAM'.
3. DNAME should be 'Purchase','Sales','HRA','Stock'
4. No one field should be blank , proper primary key and foreign key to each table
5. Use Sequence concept in Deptno.

**Queries**

1. Find the name of employee start with 'R'.
2. Find the name of the employee whose birthday in 'dec'.
3. CREA A QUERY TO DISPLAY THE NAME AND SALARY FOR ALL EMPLOYEES WHOSE SALARY IS NOT IN HE RANGE OF 1500 AND 2850
4. Display the emp details whose dob in 'july' or 'aug'.
5. SELECT EMPLOYEE NAME AND DEPARTMENT NUMBER OF THE ENTIRE EMPLOYEE IN DEPARTMENTS 10 AND 30
6. Display unique department.
7. Find youngest employee
8. Find oldest employee.
9. Display total employee in each department.
- 10.Create view for that display ename and dname.
- 11.Display ename order of their dob.
- 12.Display ename order of their joindate
- 13.Display employee details according to salary hour.
- 14.Find the age of employee
- 15.Find the total experience of employee in our company.
- 16.Display details of employee who get highest salary.
- 17.Display details of employee who get lowest salary.
- 18.Display details of employee who get 2<sup>nd</sup> highest salary.
- 19.Display the department details in which max employee is working.
- 20.Display the department details in which highest salary paying
- 21.Display the department details in which max salary paying.
- 22.Display employee name and manager name.
- 23.Display ename order of their dob desc and join date asc.
- 24.Display department wise maximum salary.
- 25.Display ENAME,DNAME,CITY,JOINDATE,SALARYHOUR.
- 26.Create view for above query.
- 27.Display dob in format of 'one January twothousand eight'
- 28.Add 5 months to each dob.
- 29.Display the details of employees having min 5 employee.
- 30.Display ename and dname whose name start with 'R'
- 31.Display employee details whose salary is greater than Ranbir.
- 32.Display the department details in which no one employee is working.
- 33.Add one column commission in employee table.

**34. Add commission of 500 employee who work in dept 10, 1000 for 20,3000 for 30.**

**35. Display ename, salary, salary+commission.**

**36. Update salary 20% for dept 20.**



1. Write a command to describe the structure of dept and emp table
2. create a query to display the ename, job, hiredate and empno in the same order and also give an alias startdate to the column hiredate
3. create a query to display the ename concatenated with the job, separated by a comma and a space and name the column 'Employee and Title'.
4. create a query to display unique job from emp table.
5. Create a query to display the last name and salary of employees earning more than 12000.
6. Create a query to display the last name and salary for employees whose salary is not in the range of 5000 and 12000.
7. Create a query to display the last name , job\_id and hire\_date of employees hired between 20-feb-98 and 01-may-98.
8. Create a query to display last name and dept\_no of all employees in department 50 and 80.
9. Create a query to display the last name of all employee where the second letter is an 'a'.
10. Create a query to display the last name of all employee who have an 'a' and 'e' in there last name.
11. Create a query to display all details of employees whose comm. is null.
12. Write a query to display the highest ,lowest , sum and average salary of all employees
13. Write a query to display the highest , lowest , sum and average salary for each job type.
14. Write a query to display the difference between the highest and the lowest salaries. Label the column Difference
15. Write a query to display the job name and total monthly salary for each job name whose total monthly salary exceeds 5000 and sort the list by total monthly salary
16. Write a query to display the name of employees whose salary exceedds the salary of the ADAMS
17. Modify the size of Ename column
18. Add a column MGR\_ID in the table EMP.
19. Drop column MGR\_ID.
20. Create a view EMPVU80 that contains details of employees in department 30. Also multiply the salary of the selected employees by a constant 12.
21. Write a query to create Cartesian product between department and employees table.
22. Write a query to perform left outer join between employees, job and departments table.
23. Write a query to perform right outer join between employees, job and departments table.
24. Show the department name, employee name, job title of all employees who do not earn a commission.
25. Write a query to display the name, job title and salary of all employees .The output must include all employees not having a corresponding job title and also all job titles having no corresponding employees.
26. Show the employees name, department number and salary of all employees whose salary is greater than the minimum salary. Sort the output in the descending order of salary
27. Write a query to display the names and hire dates for all employees who were hired before their managers along with their manager's name and hire dates.
28. Show the names and locations for all departments and the number of employees working in each department. Make sure that departments without employees are included as well.