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# Post Graduate Diploma in Advance Computing

## Database Technologies Assignment – 3

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**1. Display all the information of Emp table.**

```
Select * from employees;
```

**2. Display unique Job from Emp table.**

```
select distinct job_id as "unique job id" from employees;
```

**3. List the emps in asc order of their Salaries.**

```
select employee_id,first_name, salary from employees order by salary asc;
```

**4. List the detail of emp in the asc order of the DeptNo and desc of job.**

```
select employee_id,first_name , department_id, job_id from employees order by  
department_id asc, job_id desc;
```

**5. list the Empno Empname ,Sal ,DailySal of all emps in asc order of annsal.**

```
select employee_id, first_name, salary/30 as "Daily Salary" from employees order by  
salary*12 asc;
```

**6. list the Empno Empname ,Sal ,DailySal of all emp.**

```
select employee_id, first_name, salary, salary/30 as "Daily Salary" from employees;
```

**7. List the Empls who is either Clerk or Analyst in desc order.**

```
select employee_id, first_name from employees where job_id like '%CLERK' or job_id like  
'%ANALYST%';
```

**8. List the emps who joined on 13-aug-05,3-dec-81 , 07-Jun-02,29-jan-05 in asc order of seniority**

```
select employee_id, first_name from employees where hire_date in ('13-aug-05', '3-dec-  
81' , '07-Jun-02','29-jan-05') order by hire_date;
```

**9. List all the emp who working for the dept no 10, or 50.**

```
select employee_id, first_name from employees where department_id=10 or  
department_id=50;
```

**10. List the emps who joined in the year 05.**

```
select employee_id, first_name, hire_date from employees where hire_date like '%05';
```

**11. select all the employee whose annual salary ranging from 22000 and 45000.**

```
select employee_id, first_name, salary*12 as "Annual Salary" from employees where salary*12 between 22000 and 45000;
```

**12. List the Enames those are having five character in their name.**

```
select first_name from employees where length(first_name)=5;
```

**13. List the Enames those are starting with s and with five character.**

```
select first_name from employees where length(first_name)=5 and substr(first_name,1,1)='S';
```

**14. List the emps those are having four character and third character must be r.**

```
select first_name from employees where length(first_name)=4 and substr(first_name,3,1)='r';
```

**15. List the five character name starting with s and ending with n.**

```
select first_name from employees where first_name like 'S____n';
```

**16. List the emps whose Sal is four digit number ending with 0.**

```
select first_name, salary from employees where salary like '____0';
```

**17. List the emps whose names having a character set 'll' together.**

```
select first_name from employees where first_name like '%ll%';
```

**18. List the emps who joined in '80's.**

```
select first_name, hire_date from employees where hire_date like '%80';
```

**19. List the emps who does not belongs to Deptno 20**

```
select first_name, department_id from employees where department_id!=20;
```

**20. Display the last name and job title of all employees who do not have a manager.**

```
select last_name, job_id from employees where manager_id is null;
```

**21. Display the last name, salary, and commission for all employees who earn commissions. Sort data in descending order of salary and commissions.**

```
select last_name, salary, commission_pct from employees where commission_pct is not null order by salary desc, commission_pct desc;
```

**22. Display the last names of all employees where the third letter of the name is an a.**

```
select last_name from employees where substr(last_name,3,1)='a';
```

**23. Display the last name, job, and salary for all employees whose job is sales representative or stock clerk and whose salary is not equal to \$2,500, \$3,500, or \$7,000.**

```
select last_name, job_id, salary from employees where job_id in ('SA_REP','ST_CLERK') and salary not in (2500,3500,7000);
```

**24. create a table named emp that have attribute id and name .  
insert the following values in emp table.**

id	name
1	a%b
2	a_b
3	_abc
4	%abc
5	abc%
6	abc_

```
SQL> create table emp( id number(1), name varchar2(10));
```

Table created.

```
SQL> insert into emp values (1, 'a%b');
```

1 row created.

```
SQL> insert into emp values (2, 'a_b');
```

1 row created.

```
SQL> insert into emp values (3, '_abc');
```

1 row created.

```
SQL> insert into emp values (4, '%abc');
```

1 row created.

```
SQL> insert into emp values (5, 'abc%');
```

```
1 row created.
```

```
SQL> insert into emp values (6, 'abc_');
```

```
1 row created.
```

```
SQL>
```

**a. Display the names of all employees where the third letter of the name is '%'.**

```
select name from emp where name like '__\%%' escape '\';
```

**b. Display the last names of all employees where the first letter of the name is '\_'.**

```
select name from emp where name like '\__%' escape '\';
```

**c. List the emps those are having two character and second character must be '%'.**

```
select name from emp where length(name)=2 and name like '_\%%' escape '\';
```

**d. List the emps whose names having a character '\_'.**

```
select name from emp where name like '%!\_%' escape '!';
```