1) Select the employee in department 30.

SELECT  
first\_name,  
last\_name,  
department\_id,  
FROM  
Employee  
WHERE  
department\_id=30;  
  
2) List the names, numbers and department of all clerks.

SELECT  
first\_name,  
last\_name,  
phone\_number,  
dept\_id,  
job\_id,  
FROM  
Employee  
WHERE  
job\_id= ‘SH\_CLERK’

3) Find the depart numbers and the name of employee of all dept with Deptno greater or equal to 20.

SELECT  
first\_name,  
last\_name,  
dept\_id  
FROM  
Employee  
WHERE  
dept\_id>= 20;

4) Find the employees whose commission is greater than their salary.

SELECT  
first\_name,  
last\_name,  
salary,  
commission\_pct  
FROM  
Employee  
WHERE  
commission\_pct>salary

5) Find the employees whose commission is greater than 60 percent of their salary.

SELECT  
first\_name,  
last\_name,  
salary,  
commission\_pct  
FROM  
Employee  
WHERE  
commission\_pct>salary \* 0.6

6) Find the employee whose commission is greater than 50 percent of their salary.

SELECT  
first\_name,  
last\_name,  
salary,  
commission\_pct  
FROM  
Employee  
WHERE  
commission\_pct>salary \* 0.5

7) List the name, job and salary of all employees in dept 20 who earn more than 2000.

SELECT  
first\_name,  
last\_name,  
salary,  
dept\_id  
FROM  
Employee  
WHERE  
salary>2000 and dept\_id=20

8) Find all salesmen in dept 30 whose salary is greater than or equal to Rs. 1500.

SELECT  
first\_name,  
last\_name,  
salary,  
dept\_id,  
job\_id  
FROM  
Employee  
WHERE  
dept\_id=30 and salary>= 1500 and job\_id=’SA\_MAN’

9) Find all the employees whose job is either a president or manager.

SELECT  
first\_name,  
last\_name,  
job\_id  
FROM  
Employee  
WHERE  
job\_id in ('AD\_PRES','ST\_MAN');

10) Find all managers who are not in dept 30.

SELECT  
first\_name,  
last\_name,  
job\_id,  
dept\_id  
FROM  
Employee  
WHERE  
job\_id=ST\_MAN and dept\_id<>30

11) Find the details of all managers and clerks in dept 10.

SELECT  
\* FROM  
Employee  
WHERE  
job\_id in ('ST\_MAN','ST\_CLERK') and department\_id=10

12) Find the details of all manager (in any dept) and all clerks in dept 10

SELECT  
\* FROM  
Employee  
WHERE  
job\_id like ‘%MAN’ and job\_id like ‘%CLERK’ and department\_id=10

13) Find the details of all managers in dept 10 and all clerks in dept 20.

SELECT  
\*FROM  
Employee  
WHERE  
(job\_id like '%MGR' AND department\_id=10) OR (job\_id like '%CLERK'and department\_id=20)

14) Find the details of all the manager in dept 10, all clerk in dept 20

SELECT  
\*FROM  
Employee  
WHERE  
(job\_id like '%MGR' AND department\_id=10) OR (job\_id like '%CLERK'and department\_id=20)

15) And all employees who are neither clerks nor manager but whose salary is greater than or equal to Rs. 2000.

SELECT   
\* FROM   
Employees  
 WHERE   
(job\_id like '%CLERK' or job\_id like '%MGR') and salary>=2000

16) Find the names of everyone in deptno 20 who is neither a clerk nor a Manager.

SELECT  
first\_name,   
last\_name,   
department\_id   
FROM   
employees   
WHERE  
(job\_id like '%MGR' or job\_id like '%MAN' or job\_id like '%CLERK') and department\_id=20;

17) Find the employees who earns between Rs. 1200 and Rs.1400.

SELECT   
\* FROM   
Employees   
WHERE   
salary between 1200 and 1400

18) Find the employees who are clerks, analysts or salesman.

SELECT   
\* FROM   
Employees   
WHERE   
(job\_id like '%CLERK' or job\_id like '%ANALYST' or job\_id like 'SA%')

19) Find the employees who are not clerks, analyst or salesman.

SELECT   
\* FROM   
Employees   
WHERE   
NOT (job\_id like '%CLERK' or job\_id like '%ANALYST' or job\_id like 'SA%')

20) Find the employees who do not receive a commission.

SELECT   
\* FROM   
Employees   
WHERE   
commission\_pct is null

21) Find the employee whose commission is Rs. 0.

SELECT   
\* FROM   
Employees   
WHERE   
commission\_pct=0

22) Find the different jobs of the employees receiving commission.

SELECT   
job\_id,   
commission\_pct   
FROM   
Employees   
WHERE   
commission\_pct is not null

23) Find all employees who do not receive a commission or whose Commission is less than 0.1 . If all employees not receiving commission are entailed to Rs. 250, Show the net earnings of all employees.

SELECT   
First\_name,   
Last\_name,   
(salary+250) "net earning"   
FROM   
Employees   
WHERE   
commission\_pct is null or commission\_pct<0.1

24) Find all employees whose total earnings are greater than Rs. 2000.

SELECT   
\* FROM   
Employees   
WHERE   
(nvl(commission\_pct,0)\*salary)+salary >2000

25) Find all employees whose names begin with m.

SELECT   
\* FROM   
Employees   
WHERE   
first\_name like 'M%'

26) Find all employees whose names end with m.

SELECT   
\* FROM   
Employees   
WHERE   
first\_name like '%m'

27) Find all employees whose names contain the letter m in any case.

SELECT   
\* FROM   
Employees   
WHERE   
((lower(first\_name) like '%m%'))

28) Find the employees whose names are 5 characters long and end with n.

SELECT   
\* FROM   
Employees   
WHERE   
length(first\_name)=5 and first\_name like '%n'

29) Find the employees who have the letter r as the third letter in their name.

SELECT   
\* FROM   
Employees   
WHERE   
first\_name like '\_\_r%'

30) Find all employees hired in month of February (of any year).

SELECT   
\* FROM   
Employees   
WHERE   
SUBSTR(HIRE\_DATE, 4, 3) = 'FEB' ;

31) Find all employees who were hired on the last day of the month.

SELECT   
\* FROM   
Employees   
WHERE   
hire\_date= last\_day(hire\_date);

32) Find the employees who were hired more than 12 years ago.

SELECT   
\* FROM   
Employees   
WHERE   
EXTRACT(YEAR FROM hire\_date)< EXTRACT(YEAR FROM add\_months(TRUNC(SYSDATE),-12\*12))

33) Find the managers hired in the year 1981.

SELECT   
\* FROM   
Employees JOIN jobs USING(job\_id)   
WHERE   
(LOWER(jobs.job\_title) LIKE '%manager') AND (EXTRACT(YEAR FROM TO\_DATE(hire\_date, 'DD-MON-RR')) = 1981);

34) Display the names and the jobs of all employees, separated by a','.

SELECT   
first\_name|| ',' ||   
Last\_name ||','||   
job\_id ||',' ||   
job\_title   
FROM   
Employees Join jobs using(job\_id)

35) Display the names of all employees with the initial letter only in capitals.

SELECT   
INITCAP(First\_name ||' '|| Last\_name)   
FROM   
Employees

36) Display the length of the name of all employees.

SELECT   
first\_name,   
last\_name,   
Length(first\_name ||' '|| last\_name)-1 "Length"   
FROM Employees

37) Show the first three characters of the names of all employees.

SELECT   
first\_name,   
substr(first\_name,1,3)   
FROM   
Employees

38) Show the last three characters of the names of all employees.

SELECT   
first\_name,   
reverse(substr(reverse(first\_name),1,3))   
FROM   
Employees

39) Display the names of all employees with any 'a'.

SELECT   
first\_name   
FROM   
Employees   
WHERE   
first\_name like '%a%' or first\_name like 'a%' or first\_name like '%a'

40) Display the names of all employees and the position at which the string 'ar' occurs in the name.

SELECT   
first\_name ||' '||   
Last\_name,   
INSTR(first\_name ||' '|| Last\_name,'ar')"position of 'ar'"   
FROM   
Employees

41) Show the salary of all employees rounding it to the nearest Rs. 1000.

SELECT   
first\_name ||' '||   
Last\_name,   
salary,ceil(salary/1000)\*1000 "round of"   
FROM   
Employees

42) Show the salary of all employees ignoring fractions ,less than Rs.1000.

SELECT   
TRUNC(salary)   
FROM   
Employees   
WHERE salary < 1000;

43) Display the details of all employees, sorted on the names.

SELECT   
\* FROM   
Employees order by first\_name;

44) Display the name of all employees, based on their tenure, with the oldest employee coming first.

SELECT   
first\_name,   
hire\_date   
FROM   
Employees order by hire\_date;

45) Display the names, job and salary of all employees sorted on jobs and Salary.

SELECT   
first\_name,  
job\_id,  
salary   
FROM   
Employees order by salary,job\_id;

46) Display the names, job and salary of all employees, sorted on jobs and within job, sorted on the descending order of salary.

SELECT   
first\_name,  
job\_id,  
salary   
FROM   
Employees order by job\_id asc, salary desc;