SHOW DATABASES

SELECT USERNAME FROM ALL\_USERS ORDER BY USERNAME;

SHOW TABLES

SELECT TABLE\_NAME FROM ALL\_TABLES ORDER BY TABLE\_NAME;

//////////////////////////////////////////////////

SQL> select ename, deptno from emp where deptno=10;

ENAME DEPTNO

---------- ----------

CLARK 10

KING 10

MILLER 10

//////////////////////////////////////////////////

SQL> select \* from emp where sal=1250;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

//////////////////////////////////////////////////

SQL> select ename, sal from emp where sal>3000;

ENAME SAL

---------- ----------

KING 5000

//////////////////////////////////////////////////

SQL> select ename, job, sal from emp where ename='DAVID';

no rows selected

//////////////////////////////////////////////////

SQL> select sal\*12 as annual\_sal from emp where ename='SMITH';

ANNUAL\_SAL

----------

9600

//////////////////////////////////////////////////

SQL> select ename from emp where job='CLERK';

ENAME

----------

SMITH

ADAMS

JAMES

MILLER

//////////////////////////////////////////////////

SQL> select sal from emp where job='SALESMAN';

SAL

----------

1600

1250

1250

1500

//////////////////////////////////////////////////

SQL> select \* from emp where sal>2000;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7566 JONES MANAGER 7839 02-APR-81 2975 20

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7902 FORD ANALYST 7566 03-DEC-81 3000 20

6 rows selected.

//////////////////////////////////////////////////

SQL> select \* from emp where ename='JONES';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7566 JONES MANAGER 7839 02-APR-81 2975 20

//////////////////////////////////////////////////

SQL> select \* from emp where hiredate= '03-APR-20';

no rows selected

//////////////////////////////////////////////////

SQL> select ename,sal, sal\*12 as annual\_sal from emp where (sal\*12)>3000;

ENAME SAL ANNUAL\_SAL

---------- ---------- ----------

SMITH 800 9600

ALLEN 1600 19200

WARD 1250 15000

JONES 2975 35700

MARTIN 1250 15000

BLAKE 2850 34200

CLARK 2450 29400

SCOTT 3000 36000

KING 5000 60000

TURNER 1500 18000

ADAMS 1100 13200

JAMES 950 11400

FORD 3000 36000

MILLER 1300 15600

14 rows selected.

//////////////////////////////////////////////////

SQL> select empno from emp where deptno=30;

EMPNO

----------

7499

7521

7654

7698

7844

7900

6 rows selected.

//////////////////////////////////////////////////

SQL> select ename, hiredate from emp where hiredate<'01-JAN-21';

ENAME HIREDATE

---------- ---------

SMITH 17-DEC-80

ALLEN 20-FEB-81

WARD 22-FEB-81

JONES 02-APR-81

MARTIN 28-SEP-81

BLAKE 01-MAY-81

CLARK 09-JUN-81

SCOTT 19-APR-87

KING 17-NOV-81

TURNER 08-SEP-81

ADAMS 23-MAY-87

JAMES 03-DEC-81

FORD 03-DEC-81

MILLER 23-JAN-82

//////////////////////////////////////////////////

SQL> select \* from emp where job='MANAGER';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7566 JONES MANAGER 7839 02-APR-81 2975 20

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

//////////////////////////////////////////////////

SQL> select ename,sal from emp where comm=725;

no rows selected

//////////////////////////////////////////////////

SQL> select \* from emp where COMM>SAL;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

//////////////////////////////////////////////////

SQL> select empno from emp where hiredate < '01-JAN-22';

EMPNO

----------

7369

7499

7521

7566

7654

7698

7782

7788

7839

7844

7876

7900

7902

7934

14 rows selected.

//////////////////////////////////////////////////

SQL> select \* from emp where job='MANAGER';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7566 JONES MANAGER 7839 02-APR-81 2975 20

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

//////////////////////////////////////////////////

SQL> select \* from emp where sal>2000;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7566 JONES MANAGER 7839 02-APR-81 2975 20

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7902 FORD ANALYST 7566 03-DEC-81 3000 20

6 rows selected.

//////////////////////////////////////////////////

**PART-2**

//////////////////////////////////////////////////

SQL> select \* from emp where sal>1250 and sal<2000;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7934 MILLER CLERK 7782 23-JAN-82 1300 10

//////////////////////////////////////////////////

SQL> select \* from emp where sal<1500 or job='TEAMLEADER';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7369 SMITH CLERK 7902 17-DEC-80 800 20

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7934 MILLER CLERK 7782 23-JAN-82 1300 10

6 rows selected.

//////////////////////////////////////////////////

SQL> select \* from emp where job='CLERK' and sal<1300;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7369 SMITH CLERK 7902 17-DEC-80 800 20

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

//////////////////////////////////////////////////

SQL> select ename, hiredate from emp where deptno=30 and job='MANAGER';

ENAME HIREDATE

---------- ---------

BLAKE 01-MAY-81

//////////////////////////////////////////////////

SQL> select emp.\* , sal\*12 as annual\_sal from emp where deptno=30 and job='SALESMAN' and (sal\*12)>15

00;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO ANNUAL\_SAL

---------- ---------- --------- ---------- --------- ---------- ---------- ---------- ----------

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30 19200

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30 15000

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30 15000

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30 18000

//////////////////////////////////////////////////

SQL> select \* from emp where deptno=30 or job='SUPERVISOR';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7900 JAMES CLERK 7698 03-DEC-81 950 30

6 rows selected.

//////////////////////////////////////////////////

SQL> select ename from emp where sal<1100 and job='CLERK';

ENAME

----------

SMITH

JAMES

//////////////////////////////////////////////////

SQL> select ename, sal, sal\*12 as annual\_sal, deptno from emp where deptno=20 and sal>2300 and (sal\*

12)>3000;

ENAME SAL ANNUAL\_SAL DEPTNO

---------- ---------- ---------- ----------

JONES 2975 35700 20

SCOTT 3000 36000 20

FORD 3000 36000 20

//////////////////////////////////////////////////

SQL> select empno, ename from emp where job='MANAGER' and deptno=20;

EMPNO ENAME

---------- ----------

7566 JONES

//////////////////////////////////////////////////

SQL> select \* from emp where deptno=20 or deptno=30;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7369 SMITH CLERK 7902 17-DEC-80 800 20

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

11 rows selected.

//////////////////////////////////////////////////

SQL> select \* from emp where job='ENGINEER' and deptno=10;

no rows selected

//////////////////////////////////////////////////

SQL> select \* from emp where job='DOCTOR' and sal>2980;

no rows selected

//////////////////////////////////////////////////

SQL> select ename, deptno from emp where deptno=20 or deptno=30;

ENAME DEPTNO

---------- ----------

SMITH 20

ALLEN 30

WARD 30

JONES 20

MARTIN 30

BLAKE 30

SCOTT 20

TURNER 30

ADAMS 20

JAMES 30

FORD 20

11 rows selected.

//////////////////////////////////////////////////

SQL> select \* from emp where job != 'CLERK' and job!= 'MANAGER';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

7 rows selected.

//////////////////////////////////////////////////

SQL> select \* from emp where hiredate > '01-JAN-20' and hiredate < '01-JAN-21';

no rows selected

//////////////////////////////////////////////////

SQL> select \* from emp where hiredate >= '01-JAN-21' and hiredate < '01-JAN-22';

no rows selected

//////////////////////////////////////////////////

not – between, can be used

SQL> select \* from emp where hiredate not like '\_\_\_\_\_\_\_22';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7369 SMITH CLERK 7902 17-DEC-80 800 20

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10

14 rows selected.

//////////////////////////////////////////////////

SQL> select ename, comm from emp where comm is null;

ENAME COMM

---------- ----------

LOCO

SMITH

JONES

BLAKE

CLARK

SCOTT

KING

ADAMS

JAMES

FORD

MILLER

11 rows selected.

//////////////////////////////////////////////////

SQL> select \* from emp where mgr is null;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

777 LOCO 22-MAY-22

7839 KING PRESIDENT 17-NOV-81 5000 10

//////////////////////////////////////////////////

SQL> select \* from emp where comm is not null;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

//////////////////////////////////////////////////

SQL> select ename from emp where ename like 'A%';

ENAME

----------

ALLEN

ADAMS

//////////////////////////////////////////////////

SQL> select \* from emp where ename like '%K';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

//////////////////////////////////////////////////

SQL> select \* from emp where ename like '%A%';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7 rows selected.

//////////////////////////////////////////////////

SQL> select \* from emp where ename like '\_\_A%';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

//////////////////////////////////////////////////

SQL> select ename from emp where ename like '\_\_R\_\_\_';

ENAME

----------

MARTIN

TURNER

//////////////////////////////////////////////////

SQL> select ename, deptno from emp where job='CLERK' and (deptno=10 or deptno=20);

ENAME DEPTNO

---------- ----------

SMITH 20

ADAMS 20

MILLER 10

//////////////////////////////////////////////////

SQL> select \* from emp where (job='CLERK' or job='MANAGER') and deptno = 10;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7934 MILLER CLERK 7782 23-JAN-82 1300 10

//////////////////////////////////////////////////

SQL> select \* from emp where deptno=10 or deptno=20 or deptno=30 or deptno=40;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

---------- ---------- --------- ---------- --------- ---------- ---------- ----------

7369 SMITH CLERK 7902 17-DEC-80 800 20

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10

14 rows selected..

//////////////////////////////////////////////////