1.create table dept (deptno number(10) , dname char(30),loc varchar(33));

2. create table emp (empno number(2),ename varchar2(15),job varchar2(15),mgr char(4),hiredate date,sal number(6), comm number(6),deptno number(2));

3.select \* from dept;

4.select \* from emp;

5.select empno,ename,job from emp;

15. select ename hiredate from emp where hiredate<'02-jan-1982';

16. select empno,ename,deptno,hiredate from emp where job='MANAGER';

17. select ename,comm,sal from emp where sal<comm;

18. select ename,hiredate,sysdate-hiredate as experience from emp where sal/30<200;

Select Empno,Hiredate,Round((Sysdate-Hiredate)/365) From Emp;

19.select job from emp;

20. select comm from emp;

SELECT Ename,Deptno,Comm From Emp WHERE Comm IS NULL;

22. select ename,sal from emp where sal<=10000;

23. select empno from emp constraint emp\_empno\_PK Primary key;

24. create table dept(deptno number(4) constraint dept\_deptno\_PK Primary key);25. ALTER TABLE Emp ADD 25.Constraint Emp\_deptno\_FK FOREIGN KEY(deptno) REFERENCES dept(deptno);

26. Select Ename,Hiredate,Round((Sysdate-Hiredate)/365) From Emp;

27. create table emp( deptno number(2) constraint emp\_deptno\_FK References dept(deptno));

28. Select Empno,ename,job,hiredate from emp where deptno = 10;

29. Select Empno,Ename,Job,Sal From Emp Where Job='CLERK';

30. select DISTINCT(deptno) from emp; OR

31. select ename,(sal/20)\*100 as salary from emp where sal>2000;

32. select (sal/20)\*100 as sal,TO\_CHAR(sal,'L99g999d99','NLS\_CURRENCY=RS')sal from emp;

33. select DISTINCT(deptno),job from emp;

34: select ename,job from emp where (job='MANAGER' or job='CLERK');

35. select ename as employee\_name,sal as monthly\_salary from emp where sal not between 1500 and 2800;

36.: Select Empno,Ename From Emp Where NOT Job='MANAGER';

37.: SQL> select ename,comm,(sal/10)\*100 as sal from emp where comm>sal;

ENAME COMM SAL

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

MARTIN 1400 12500

38. SQL> select ename,sal,(sal/15)\*100 as increased\_sal from emp;

ENAME SAL INCREASED\_SAL

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

SMITH 800 5333.33333

ALLEN 1600 10666.6667

WARD 1250 8333.33333

JONES 2975 19833.3333

MARTIN 1250 8333.33333

BLAKE 2850 19000

CLARK 2450 16333.3333

SCOTT 3000 20000

KING 5000 33333.3333

TURNER 1500 10000

ADAMS 1100 7333.33333

ENAME SAL INCREASED\_SAL

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

JAMES 950 6333.33333

FORD 3000 20000

MILLER 1300 8666.66667

14 rows selected.

39.: select ename,sal,hiredate,Next\_day(hiredate,'monday') from emp;

40.: select ename,empno,sal,round(sal\*12) as annual\_sal from emp; OOORRRR

select avg(sal),count(\*) from emp ;

41.: select empno,sal,(sal\*12)/365 as annual\_sal\_lac from emp;

42:: select ename from emp where deptno=10;

43:: select ename,sal from emp where job='MANAGER' and sal>2000;

44=> SQL> select ename,empno,comm from emp where comm is not null;

ENAME EMPNO COMM

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

ALLEN 7499 300

WARD 7521 500

MARTIN 7654 1400

TURNER 7844 0

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

ENAME EMPNO COMM

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

SMITH 7369

JONES 7566

BLAKE 7698

CLARK 7782

SCOTT 7788

KING 7839

ADAMS 7876

JAMES 7900

FORD 7902

MILLER 7934

10 rows selected.

46=> Select Ename,Sal From Emp

2 Where (Job='CLERK' or Job='SALESMAN’ or Job='ANALYST') AND sal>2000;

ENAME SAL

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

SCOTT 3000

FORD 3000

47=>

48=> SQL> select ename,hiredate from emp where hiredate BETWEEN '31-jan-1981' AND '30-nov-1981';

ENAME HIREDATE

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

ALLEN 20-FEB-81

WARD 22-FEB-81

JONES 02-APR-81

MARTIN 28-SEP-81

BLAKE 01-MAY-81

CLARK 09-JUN-81

KING 17-NOV-81

TURNER 08-SEP-81

49=> SQL> Select USER From Dual;

USER

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

SCOTT

50=> SQL> select sysdate from dual;

SYSDATE

---------

16-SEP-19

51. SQL> select \* from emp where rownum<=10 ;

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 09-DEC-82 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

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

52=> SQL> select empno as Emp\_no,ename as Emp\_name,sal as Emp\_salary from emp;

EMP\_NO EMP\_NAME EMP\_SALARY

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

7369 SMITH 800

7499 ALLEN 1600

7521 WARD 1250

7566 JONES 2975

7654 MARTIN 1250

7698 BLAKE 2850

7782 CLARK 2450

7788 SCOTT 3000

7839 KING 5000

7844 TURNER 1500

7876 ADAMS 1100

7900 JAMES 950

7902 FORD 3000

7934 MILLER 1300

53=> SQL> select unique(deptno) from emp;

DEPTNO

----------

30

20

10

54=> SQL> Select DISTINCT Job,Deptno From Emp;

JOB DEPTNO

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

MANAGER 20

PRESIDENT 10

CLERK 10

SALESMAN 30

ANALYST 20

MANAGER 30

MANAGER 10

CLERK 30

CLERK 20

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

ENAME SAL JOB

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

SMITH 800 CLERK

ADAMS 1100 CLERK

JAMES 950 CLERK

MILLER 1300 CLERK

56=> SQL> select ename,job,sal,hiredate from emp where hiredate='17-dec-1980';

ENAME JOB SAL HIREDATE

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

SMITH CLERK 800 17-DEC-80

57=> SQL> select dname,deptno from dept where deptno>=20;

DNAME DEPTNO

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

RESEARCH 20

SALES 30

OPERATIONS 40

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

ENAME COMM SAL

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

MARTIN 1400 1250

59=> SQL> select empno,ename,deptno from emp

2 Where (Job='CLERK' or Job='SALESMAN' or Job='MANAGER') or deptno=10 or deptno=20 order by deptno;

EMPNO ENAME DEPTNO

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

7782 CLARK 10

7839 KING 10

7934 MILLER 10

7566 JONES 20

7902 FORD 20

7876 ADAMS 20

7369 SMITH 20

7788 SCOTT 20

7521 WARD 30

7844 TURNER 30

7499 ALLEN 30

7900 JAMES 30

7698 BLAKE 30

7654 MARTIN 30

60=> SQL> Select Empno,Hiredate,sal,(sal/7) as weekly\_sal ,(sal/24) as daily\_sal from emp;

EMPNO HIREDATE SAL WEEKLY\_SAL DAILY\_SAL

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

7369 17-DEC-80 800 114.285714 33.3333333

7499 20-FEB-81 1600 228.571429 66.6666667

7521 22-FEB-81 1250 178.571429 52.0833333

7566 02-APR-81 2975 425 123.958333

7654 28-SEP-81 1250 178.571429 52.0833333

7698 01-MAY-81 2850 407.142857 118.75

7782 09-JUN-81 2450 350 102.083333

7788 09-DEC-82 3000 428.571429 125

7839 17-NOV-81 5000 714.285714 208.333333

7844 08-SEP-81 1500 214.285714 62.5

7876 12-JAN-83 1100 157.142857 45.8333333

7900 03-DEC-81 950 135.714286 39.5833333

7902 03-DEC-81 3000 428.571429 125

7934 23-JAN-82 1300 185.714286 54.1666667

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

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7902 FORD ANALYST 7566 03-DEC-81 3000 20

62=> SQL> SELECT Ename From Emp WHERE Ename LIKE 'M%';

ENAME

----------

MARTIN

MILLER

63=> SQL> SELECT Ename,job From Emp WHERE job LIKE '%R';

ENAME JOB

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

JONES MANAGER

BLAKE MANAGER

CLARK MANAGER

64=> SQL> select ename from emp where length(ename)=4;

ENAME

----------

WARD

KING

FORD

65=> SQL> select ename,job from emp where ename LIKE '\_A\_%';

ENAME JOB

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

WARD SALESMAN

MARTIN SALESMAN

JAMES CLERK

OOOORRRRR

SQL> select ename,job from emp where ename LIKE '\_M%';

ENAME JOB

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

SMITH CLERK

66=> SQL> select ename,job from emp where job!='MANAGER';

ENAME JOB

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

SMITH CLERK

ALLEN SALESMAN

WARD SALESMAN

MARTIN SALESMAN

SCOTT ANALYST

KING PRESIDENT

TURNER SALESMAN

ADAMS CLERK

JAMES CLERK

FORD ANALYST

MILLER CLERK

67=> SQL> select \* from emp where hiredate='01-may-1981';

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

68

69

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

ENAME ANNUAL\_SAL

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

SMITH 9600

ALLEN 19200

WARD 15000

JONES 35700

MARTIN 15000

BLAKE 34200

CLARK 29400

SCOTT 36000

KING 60000

TURNER 18000

ADAMS 13200

JAMES 11400

FORD 36000

MILLER 15600

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

ENAME

----------

CLARK

KING

MILLER

72=> SQL> select ename,job from emp where job='CLERK' and deptno=10;

ENAME JOB

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

MILLER CLERK

73=> SQL> select ename from emp where ename LIKE 'T\_\_\_\_R';

ENAME

----------

TURNER

74=> SQL> Select Empno,Hiredate,Round((Sysdate-Hiredate)/365)>10 From Emp;

75=> SQL> Select Empno,Hiredate,Round((Sysdate-Hiredate)/365) From Emp where job='CLERK';

EMPNO HIREDATE ROUND((SYSDATE-HIREDATE)/365)

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

7369 17-DEC-80 39

7876 12-JAN-83 37

7900 03-DEC-81 38

7934 23-JAN-82 38

76

77=> Select Ename,Sal From Emp

2 Where (Job='CLERK' or Job='SALESMAN’ or Job='ANALYST') AND sal>3000;

no rows selected

78=> select SUM(empno) from emp;

SUM(EMPNO)

----------

115183

79=> select SUM(sal),SUM(comm) from emp;

SUM(SAL) SUM(COMM)

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

40815 2200

80=>

81=> select ename,empno from emp where job ='MANAGER' order by ename;

ENAME EMPNO

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

BLAKE 7698

CLARK 7782

JONES 7566

82=> select job from emp where job= 'MANAGER' OR job='PRESIDENT' order by deptno;

JOB

---------

PRESIDENT

MANAGER

MANAGER

MANAGER

83=> SQL> select ename from emp where ename NOT LIKE '\_\_s%';

ENAME

----------

SMITH

ALLEN

WARD

JONES

MARTIN

BLAKE

CLARK

SCOTT

KING

TURNER

ADAMS

ENAME

----------

JAMES

FORD

MILLER

aman

aman

ankur

Ankur

84=> SQL> select MAX(sal) from emp;

MAX(SAL)

----------

5895

85=> SQL> select MIN(sal) from emp;

MIN(SAL)

----------

800

86=> SQL> select AVG(sal) from emp;

AVG(SAL)

----------

2550.9375

87=> SQL> select MAX(sal) from emp where job='CLERK';

MAX(SAL)

----------

1300

88=> SQL> select MAX(sal) from emp where deptno=20;

MAX(SAL)

----------

3000

89=> SQL> select MIN(sal) from emp where job='SALESMAN';

MIN(SAL)

----------

1250

90

91

92=> SQL> select unique(job),deptno from emp;

JOB DEPTNO

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

MANAGER 20

PRESIDENT 10

CLERK 10

30

SALESMAN 30

20

ANALYST 20

MANAGER 30

MANAGER 10

CLERK 30

CLERK 20

JOB DEPTNO

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

60

10

93=> SQL> select avg(sal) from emp where job ='MANAGER';

AVG(SAL)

----------

2758.33333

94=> SQL> select avg(sal) from emp where (job='ANALYST') and deptno=20;

AVG(SAL)

----------

3000

95=> SQL> select ename,sal from emp order by sal ;

ENAME SAL

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

SMITH 800

JAMES 950

ADAMS 1100

WARD 1250

MARTIN 1250

MILLER 1300

TURNER 1500

ALLEN 1600

CLARK 2450

BLAKE 2850

JONES 2975

ENAME SAL

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

FORD 3000

SCOTT 3000

KING 5000

ankur 5895

ankur 5895

96=> SQL> select ename,sal from emp order by sal desc;

ENAME SAL

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

aman

aman

ankur 5895

ankur 5895

KING 5000

SCOTT 3000

FORD 3000

JONES 2975

BLAKE 2850

CLARK 2450

ALLEN 1600

ENAME SAL

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

TURNER 1500

MILLER 1300

WARD 1250

MARTIN 1250

ADAMS 1100

JAMES 950

SMITH 800

97=> SQL> select \* from emp order by ename;

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7876 ADAMS CLERK 7788 12-JAN-83 1100 20

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

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7902 FORD ANALYST 7566 03-DEC-81 3000 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7839 KING PRESIDENT 17-NOV-81 5000 10

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

7934 MILLER CLERK 7782 23-JAN-82 1300 10

7788 SCOTT ANALYST 7566 09-DEC-82 3000 20

7369 SMITH CLERK 7902 17-DEC-80 800 20

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

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

1005 aman 20

1006 aman 60

3000 ankur 5895 30

2000 ankur 5895 10

98

99=> SQL> select ename,(sal\*12) as anual\_salary from emp order by sal desc;

ENAME ANUAL\_SALARY

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

aman

aman

ankur 70740

ankur 70740

KING 60000

SCOTT 36000

FORD 36000

JONES 35700

BLAKE 34200

CLARK 29400

ALLEN 19200

TURNER 18000

MILLER 15600

WARD 15000

MARTIN 15000

ADAMS 13200

JAMES 11400

SMITH 9600

100=> SQL> select ename from emp where ename LIKE '%LL\_\_';

ENAME

----------

ALLEN

MILLER