

a) Select unique job from EMP table.

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42
43 -- =====question answer=====
44 -- a) Select unique job from EMP table.
45 • select distinct job from emp;
46
47 -- b) List the details of the emps in asc order of the Dptnos and desc of Jobs?

```

Result Grid

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NO	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NO	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30

emp 1 x

Output

Action Output

#	Time	Action	Message
1	01:53:46	use assignment	0 row(s) affected
2	01:56:44	select* from emp remaining LIMIT 0, 1000	14 row(s) returned

b) List the details of the emps in asc order of the Dptnos and desc of Jobs?

```

46
47 -- b) List the details of the emps in asc order of the Dptnos and desc of Jobs?
48 • SELECT * FROM emp ORDER BY Deptno asc;
49
50 -- c) Display all the unique job groups in the descending order?

```

Result Grid

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NO	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NO	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30

emp 1 x

Output

Action Output

#	Time	Action	Message
1	01:53:46	use assignment	0 row(s) affected
2	01:56:44	select* from emp remaining LIMIT 0, 1000	14 row(s) returned

c) Display all the unique job groups in the descending order?

```

47 -- b) List the details of the emps in asc order of the Dptnos and desc of Jobs?
48 • SELECT * FROM emp ORDER BY Deptno asc;
49
50 -- c) Display all the unique job groups in the descending order?
51 • SELECT DISTINCT job FROM EMP ORDER BY job DESC;
52
53 -- d)List the emps who joined before 1981.
54 • SELECT * FROM EMP WHERE year(HireDate)<1981;
55
56 -- e)List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.

```

Result Grid

job
SALESMAN
PRESIDENT
MANAGER
CLERK
ANALYST

EMP 2 x

Output

d) List the emps who joined before 1981.

```

52
53 -- d)List the emps who joined before 1981.
54 • SELECT * FROM EMP WHERE year(HireDate)<1981;
55
56 -- e)List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.

```

Result Grid

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20

EMP 3 x

e) List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.

```

56 -- e)List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.
57 • SELECT Empno,Ename,Sal AS Annual_Salary, Sal / 365 AS Daily_Salary FROM EMP ORDER BY Sal ASC;
58
59 -- f)List the Empno, Ename, Sal, Exp of all emps working for Mgr 7698.

```

Result Grid

Empno	Ename	Annual_Salary	Daily_Salary
7369	SMITH	800.00	2.191781
7900	JAMES	950.00	2.602740
7876	ADAMS	1100.00	3.013699
7521	WARD	1250.00	3.424658
7654	MARTIN	1250.00	3.424658

Result 4 x

f) List the Empno, Ename, Sal, Exp of all emps working for Mgr 7369.

```

58
59 -- f)List the Empno, Ename, Sal, Exp of all emps working for Mgr 7698.
60 • SELECT job,empno,ename, sal, mgr, datediff(CURDATE(),HireDate)/365 as exp from emp where mgr = 7698;
61
62 -- g) Display all the details of the emps who's Comm. Is more than their Sal?

```

Result Grid

job	empno	ename	sal	mgr	exp
SALESMAN	7499	ALLEN	1600.00	7698	43.4849
SALESMAN	7521	WARD	1250.00	7698	43.4795
SALESMAN	7654	MARTIN	1250.00	7698	42.8822
SALESMAN	7844	TURNER	1500.00	7698	43.0192
CLERK	7900	JAMES	950.00	7698	43.4301

Result 5 x

g) Display all the details of the emps who's Comm. Is more than their Sal?

```

62 -- g) Display all the details of the emps who's Comm. Is more than their Sal?
63 • SELECT * FROM EMP WHERE Comm > Sal;
64
65 -- h) List the emps who are either 'CLERK' or 'ANALYST' in the Desc order.
66 • SELECT *FROM emp WHERE job IN ('CLERK', 'ANALYST') ORDER BY job DESC;
67
68 -- i) List the emps Who Annual sal ranging from 22000 and 45000.

```

Result Grid

job	empno	ename	sal	mgr	exp
SALESMAN	7499	ALLEN	1600.00	7698	43.4849
SALESMAN	7521	WARD	1250.00	7698	43.4795
SALESMAN	7654	MARTIN	1250.00	7698	42.8822
SALESMAN	7844	TURNER	1500.00	7698	43.0192
CLERK	7900	JAMES	950.00	7698	43.4301

h) List the emps who are either 'CLERK' or 'ANALYST' in the Desc order.

```

64
65 -- h) List the emps who are either 'CLERK' or 'ANALYST' in the Desc order.
66 • SELECT *FROM emp WHERE job IN ('CLERK', 'ANALYST') ORDER BY job DESC;
67
68 -- i) List the emos Who Annual sal ranging from 22000 and 45000.

```

Result Grid

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7876	ADAMS	CLERK	7788	1987-07-13	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-03-12	950.00	NULL	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7788	SCOTT	ANALYST	7566	1987-06-11	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-03-12	3000.00	NULL	20
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

emp 8 x

i) List the emps Who Annual sal ranging from 22000 and 45000.

```

67
68 -- i) List the emps Who Annual sal ranging from 22000 and 45000.
69 • select Ename,sal*12 as annualsal from emp WHERE (sal * 12) between 22000 and 45000;
70
71
72
73 -- i) List the Enames those are starting with 'S' and with five characters.

```

Result Grid

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7876	ADAMS	CLERK	7788	1987-07-13	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-03-12	950.00	NULL	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7788	SCOTT	ANALYST	7566	1987-06-11	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-03-12	3000.00	NULL	20
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

emp 10 x

j) List the Enames those are starting with 'S' and with five characters.

```

71 -- j) List the Enames those are starting with 'S' and with five characters.
72 • select*from emp where Ename like 's_ _ _ _';
73
74
75 -- k) List the emps whose Empno not starting with digit78.
76 • SELECT * FROM emp WHERE emono NOT LIKE '78%';

```

Result Grid

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7788	SCOTT	ANALYST	7566	1987-06-11	3000.00	NULL	20
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

emp 13 x

Output

Action Output

#	Time	Action	Message
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k) List the emps whose Empno not starting with digit78.

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75 -- k) List the emps whose Empno not starting with digit78.
76 • SELECT * FROM emp WHERE empno NOT LIKE '78%';
77
78 -- l) List all the Clerks of Deptno 20.

```

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1987-06-11	3000.00	NULL	20

emp 14 x

Output

Action Output

l) List all the Clerks of Deptno 20.

```

77
78 -- l) List all the Clerks of Deptno 20.
79 • SELECT * FROM emp WHERE deptno = 20 AND job = 'CLERK';
80
81 -- m) List the Empls who are senior to their own MGRS.

```

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7876	ADAMS	CLERK	7788	1987-07-13	1100.00	NULL	20

emp 15 x

Output

Action Output

m) List the Empls who are senior to their own MGRS.

```

80
81 -- m) List the Empls who are senior to their own MGRS.
82 • select* from emp remaining;
83

```

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1987-06-11	3000.00	NULL	20

emp 17 x

Output

Action Output

#	Time	Action	Message
20	02:11:55	select* from emp remaining LIMIT 0, 1000	14 row(s) return

n) List the Empls of Deptno 20 who's Jobs are same as Deptno10.

```

84 -- n) List the Empls of Deptno 20 who's Jobs are same as Deptno10.
85 • SELECT * FROM EMP E1 WHERE E1.DEPTNO = 20 AND E1.JOB IN ( SELECT E2.JOB FROM EMP E2 WHERE E2.DEPTNO = 10 );
86
87 • select * from emp;

```

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7876	ADAMS	CLERK	7788	1987-07-13	1100.00	NULL	20

emp 18 x

Output

Action Output

o) List the Emps who's Sal is same as FORD or SMITH in desc order of Sal.

```

86
87 -- List the Emps who's Sal is same as FORD or SMITH in descorder of Sal.
88 • select * from emp where sal IN(select sal from emp where Ename="SMITH" OR Ename="FORD");
89 • select * from emp;
90
91

```

Result Grid

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7788	SCOTT	ANALYST	7566	1987-06-11	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-03-12	3000.00	NULL	20
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

emp 19 x

Output

Action Output

p) List the emps whose jobs same as SMITH or ALLEN.

```

89
90 -- p) List the emps whose jobs same as SMITH or ALLEN.
91 • select * from emp where job In(select job from emp where ename="Smith" or ename="Allen");
92
93

```

Result Grid

Empno	Ename	Job	Mgr	HireDate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7844	TURNER	SALESMAN	7698	1981-08-09	1500.00	0.00	30
7876	ADAMS	CLERK	7788	1987-07-13	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-03-12	950.00	NULL	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

mp 20 x

Output

q) Any jobs of deptno 10 those that are not found in deptno 20.

```

93 -- q) Any jobs of deptno 10 those that are not found in deptno 20
94 • select job from emp where deptno= 10 and job not in(select job from emp where deptno=20);
95
96

```

Result Grid

job
PRESIDENT

r) Find the highest sal of EMP table.

```
95 -- r) Find the highest sal of EMP table.
```

```
96 • select max(sal) as Highestsal from emp;
```

97

Result Grid
Filter Rows:

Export:
Wrap Cell Content:

	Highestsal
▶	5000.00

s) Find details of highest paid employee.

```
98      -- s) Find details of highest paid employee.
```

```
99 • select*from emp where sal=(select max(sal) as Highestsal from emp);
```

100

101

[illegible]



t) Find the total sal given to the MGR.

```
100      -- t) Find the total sal given to the MGR.
```

```
101 • select job,sum(sal) as totalsum from emp group by job having job="Manager";
```

102

103

Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

u) List the emps whose names contains 'A'.

```
102      -- u) List the emps whose names contains 'A'.
```

```
103 • select * from emp where ename like 'A%';
```

104

105

[illegible]

v) Find all the emps who earn the minimum Salary for each job wise in ascending order.

```

106
107 -- v)Find all the emps who earn the minimum Salary for each job wise in ascending order.
108 • SELECT e1.ename, e1.sal, e1.job FROM emp e1 JOIN ( SELECT job, MIN(sal) AS minsalary FROM emp GROUP BY job )
109 e2 ON e1.job = e2.job AND e1.sal = e2.minsalary order by sal;
110

```

Result Grid

ename	sal	job
SMITH	800.00	CLERK
WARD	1250.00	SALESMAN
MARTIN	1250.00	SALESMAN
CLARK	2450.00	MANAGER
SCOTT	3000.00	ANALYST
FORD	3000.00	ANALYST
KING	5000.00	PRESIDENT

Result 29

Output

w) List the emps whose sal greater than Blake's sal.

[illegible]