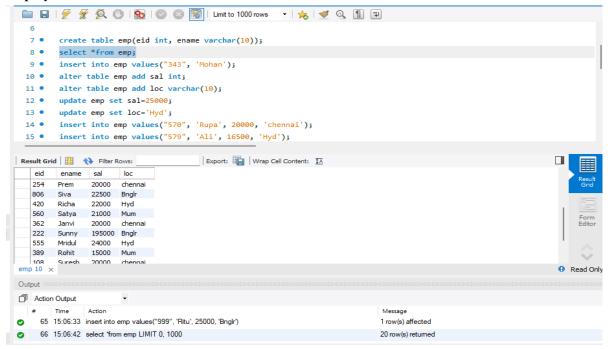**Name:** *Karella Rupa*
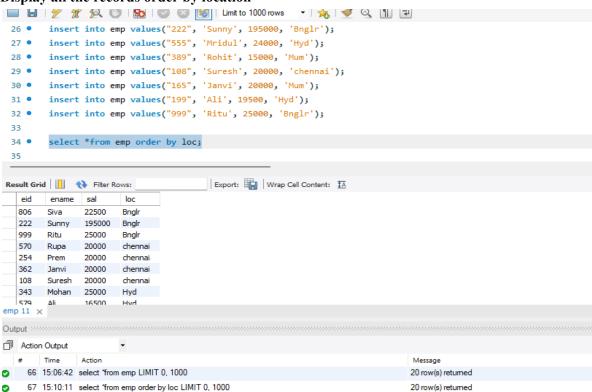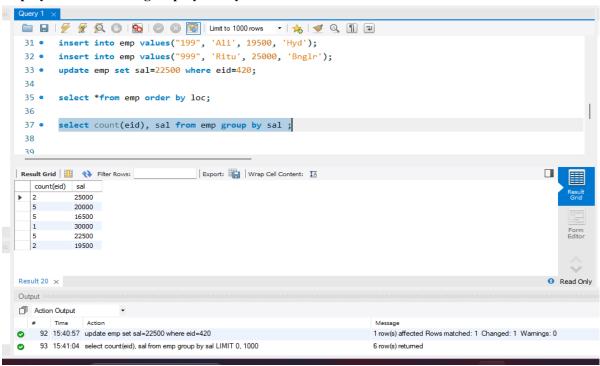**SQL Tasks**

1. **Display all the records**

2. **Display all the records order by location**

3. Display all the records group by salary

```
31 •   insert into emp values("199", 'Ali', 19500, 'Hyd');
32 •   insert into emp values("999", 'Ritu', 25000, 'Bnglr');
33 •   update emp set sal=22500 where eid=420;
34
35 •   select *from emp order by loc;
36
37 •   select count(eid), sal from emp group by sal ;
38
39
```

count(eid)	sal
2	25000
5	20000
5	16500
1	30000
5	22500
2	19500

Result 20

Read Only

Output

Action Output

#	Time	Action	Message
92	15:40:57	update emp set sal=22500 where eid=420	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
93	15:41:04	select count(eid), sal from emp group by sal LIMIT 0, 1000	6 row(s) returned

4. Display all the records group by location

```
34
35 •   select *from emp order by loc;
36
37 •   select count(eid), sal from emp group by sal ;
38
39 •   select count(eid), loc from emp group by loc ;
40
41
42
```

count(eid)	loc
7	Hyd
4	chennai
5	Bnglr
4	Mum

Result 22

Read Only

Output

Action Output

#	Time	Action	Message
95	15:45:23	update emp set loc='Mum' where eid=520	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
96	15:45:31	select count(eid), loc from emp group by loc LIMIT 0, 1000	4 row(s) returned

5. Display all the records group by location, name


```
35 •    select *from emp order by loc;
36
37 •    select count(eid), sal from emp group by sal ;
38
39 •    select count(eid), loc, ename from emp group by loc, ename ;
40
41
42
43
```

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

count(eid)	loc	ename
2	Hyd	Mohan
2	chennai	Rupa
3	Hyd	Ali
1	Bnglr	Hari
1	Mum	Seetha
1	Hyd	Surya
1	Bnglr	Ram

Result 26

Output

Action Output

#	Time	Action	Message
101	15:49:11	update emp set ename='Rupa' where eid=254	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
102	15:49:17	select count(eid), loc, ename from emp group by loc, ename LIMIT 0, 1000	16 row(s) returned

6. Display all the records group by location, name, salary


```
35 •    select *from emp order by loc;
36
37 •    select count(eid), sal from emp group by sal ;
38
39 •    select count(eid), loc, ename from emp group by loc, ename ;
40
41 •    select count(eid), loc, ename, sal from emp group by loc, ename, sal ;
42
43
```

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

count(eid)	loc	ename	sal
1	Hyd	Mohan	25000
2	chennai	Rupa	20000
2	Hyd	Ali	16500
1	Bnglr	Hari	30000
1	Mum	Seetha	16500
1	Hyd	Surya	16500
1	Bnglr	Ram	22500
1	Bnglr	Siva	22500
1	Hyd	Mohan	22500

Result 27

Output

Action Output

#	Time	Action	Message
102	15:49:17	select count(eid), loc, ename from emp group by loc, ename LIMIT 0, 1000	16 row(s) returned

7. Display Second least salary


```
37 •   select count(eid), sal from emp group by sal ;

38

39 •   select count(eid), loc, ename from emp group by loc, ename ;

40

41 •   select count(eid), loc, ename, sal from emp group by loc, ename, sal ;

42

43 •   select min(sal) from emp where sal>(select min(sal) from emp);

44

45
```

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

min(sal)
19500

Result 32 ×

Output

Action Output

#	Time	Action	Message
✓ 108	15:57:35	select min(sal) from emp where sal<(select min(sal) from emp) LIMIT 0, 1000	1 row(s) returned
✓ 109	15:57:49	select min(sal) from emp where sal>(select min(sal) from emp) LIMIT 0, 1000	1 row(s) returned

8. Display list of employees whose location is hyderabad and salary is less than 20000


```
38

39 •   select count(eid), loc, ename from emp group by loc, ename ;

40

41 •   select count(eid), loc, ename, sal from emp group by loc, ename, sal ;

42

43 •   select min(sal) from emp where sal>(select min(sal) from emp);

44

45 •   select * from emp where loc='Hyd' having sal<20000

46
```

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

eid	ename	sal	loc
579	Ali	16500	Hyd
464	Surya	16500	Hyd
782	Ali	16500	Hyd
199	Ali	19500	Hyd

emp 34 ×

Output

Action Output

#	Time	Action	Message
✗ 112	16:26:27	select * from emp where loc='Hyd', sal<20000	Error Code: 1064. You have an error in your SQL syntax; check the manual
✓ 113	16:37:15	select * from emp where loc='Hyd' having sal<20000 LIMIT 0, 1000	4 row(s) returned

9. Display Highest salary in each location


```
46
47 •    select min(sal) from emp where sal>(select min(sal) from emp);
48
49 •    select * from emp where loc='Hyd' having sal<20000;
50
51 •    select loc,max(sal) from emp group by loc;
52
53
54
```

Result Grid:

loc	max(sal)
Hyd	25000
chennai	20000
Bnglr	30000
Mum	22500

Action Output:

#	Time	Action	Message
5	10:08:20	select loc,max(sal) from emp group by loc LIMIT 0, 1000	4 row(s) returned
6	10:09:30	select loc,max(sal) from emp group by loc LIMIT 0, 1000	4 row(s) returned

10. Display total salary in each location


```
46
47 •    select min(sal) from emp where sal>(select min(sal) from emp);
48
49 •    select * from emp where loc='Hyd' having sal<20000;
50
51 •    select loc,max(sal) from emp group by loc;
52
53 •    select loc,sum(sal) from emp group by loc;
54
```

Result Grid:

loc	sum(sal)
Hyd	139000
chennai	80000
Bnglr	119500
Mum	75500

Action Output:

#	Time	Action	Message
6	10:09:30	select loc,max(sal) from emp group by loc LIMIT 0, 1000	4 row(s) returned
7	10:12:17	select loc,sum(sal) from emp group by loc LIMIT 0, 1000	4 row(s) returned

11. Display total salary in each department


```sql
55 •  alter table emp add dept varchar(10);
56 •  select * from emp order by eid;
57 •  update emp set dept='Sales' where eid=782;
58
59 •  select dept,sum(sal) from emp group by dept;
60
61
62
```

dept	sum(sal)
IT	202000
Sales	117000
HR	95000

12. Display highest salary in each department in a location


```sql
58
59 •  select dept,sum(sal) from emp group by dept;
60
61 •  select dept,loc,max(sal) from emp group by dept, loc order by dept;
62
63 •  select ename,sal from emp order by sal;
```

dept	loc	max(sal)
HR	Bnglr	22500
HR	chennai	20000
HR	Hyd	16500
HR	Mum	16500
IT	Bnglr	30000
IT	chennai	20000
IT	Hyd	25000
IT	Mum	22500
Sales	Bnglr	25000
Sales	Hyd	16500
Sales	Mum	20000

13. Display list of employees with names order by salary

```
61 •  select dept,loc,max(sal) from emp group by dept, loc order by dept;
62
63 •  select eid,ename,sal from emp order by sal;
64
```

eid	ename	sal
579	Ali	16500
520	Seetha	16500
464	Surya	16500
782	Ali	16500
389	Rohit	16500
222	Sunny	19500
199	Ali	19500
570	Rupa	20000
254	Rupa	20000
362	Janvi	20000
108	Suresh	20000
165	Janvi	20000
603	Ram	22500
806	Siva	22500
420	Mohan	22500

emp 22 ×

Output

Action Output

#	Time	Action	Message
✓ 59	10:48:13	select dept,loc,max(sal) from emp group by dept, loc order by dept LIMIT 0, 1000	11 row(s) returned
✓ 60	10:51:40	select eid,ename,sal from emp order by sal LIMIT 0, 1000	20 row(s) returned