

1. Create new table more than one

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Output

Time	Action	Message	Duration / Fetch
221 15:19:34	select asc(stu) from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
222 15:19:41	describe guest	5 rows returned	0.000 sec / 0.000 sec
223 15:19:50	select asc(stu) from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
224 15:22:08	select position('n') from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
225 15:23:08	select position('n') from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
226 15:23:15	select * from guest LIMIT 0, 1000	3 rows returned	0.016 sec / 0.000 sec
227 15:23:37	select position('n') from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
228 15:24:43	select * from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
229 15:24:36	select mat('name, 1') as location from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
230 16:19:12	use DB1	0 rows affected	0.000 sec
231 16:21:06	create table Emp(empID int primary key auto_increment not null, empName varchar(20), empSal int, empLoc varchar(20))	0 rows affected	0.656 sec
232 16:22:48	create table Stu(stuID int primary key auto_increment not null, stuName varchar(20), stuMark int, stuDept varchar(5))	0 rows affected	0.297 sec

2. Subquery to find max and min salary

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-- find max, min, avg of emp salary  
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225 *  
226 *  
227 *  
228 *  
229 *  
230 *  
231 *  
232 *
```

Output

Time	Action	Message	Duration / Fetch
226 15:23:15	select * from guest LIMIT 0, 1000	3 rows returned	0.016 sec / 0.000 sec
227 15:23:37	select position('n') from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
228 15:24:43	select * from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
229 15:24:36	select mat('name, 1') as location from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
230 16:19:12	use DB1	0 rows affected	0.000 sec
231 16:21:06	create table Emp(empID int primary key auto_increment not null, empName varchar(20), empSal int, empLoc varchar(20))	0 rows affected	0.656 sec
232 16:22:48	create table Stu(stuID int primary key auto_increment not null, stuName varchar(20), stuMark int, stuDept varchar(5))	0 rows affected	0.297 sec
233 16:30:39	insert into Emp(empName, empSal, empLoc) values('Ravi', 35000, 'Chennai'), ('Tharun', 55000, 'Bangalore'), ('Narun', 80000, 'Mumbai'), ('Charun', 40000, 'Hyderabad')	4 rows affected Records: 4 Duplicates: 0 Warnings: 0	0.078 sec
234 16:34:51	insert into Stu(stuName, stuMark, stuDept) values('Neha', 75, 'CSE'), ('Neha', 35, 'IT'), ('Devu', 35, 'IT'), ('Neha', 35, 'IT'), ('Neha', 35, 'IT')	5 rows affected Records: 5 Duplicates: 0 Warnings: 0	0.078 sec
235 16:35:52	select max(empSal) as MAX_SALARY from Emp LIMIT 0, 1000	1 row returned	0.000 sec / 0.000 sec
236 16:36:53	select min(empSal) as MIN_SALARY from Emp LIMIT 0, 1000	1 row returned	0.000 sec / 0.000 sec
237 16:36:56	select max(empSal) as MAX_SALARY from Emp LIMIT 0, 1000	1 row returned	0.000 sec / 0.000 sec

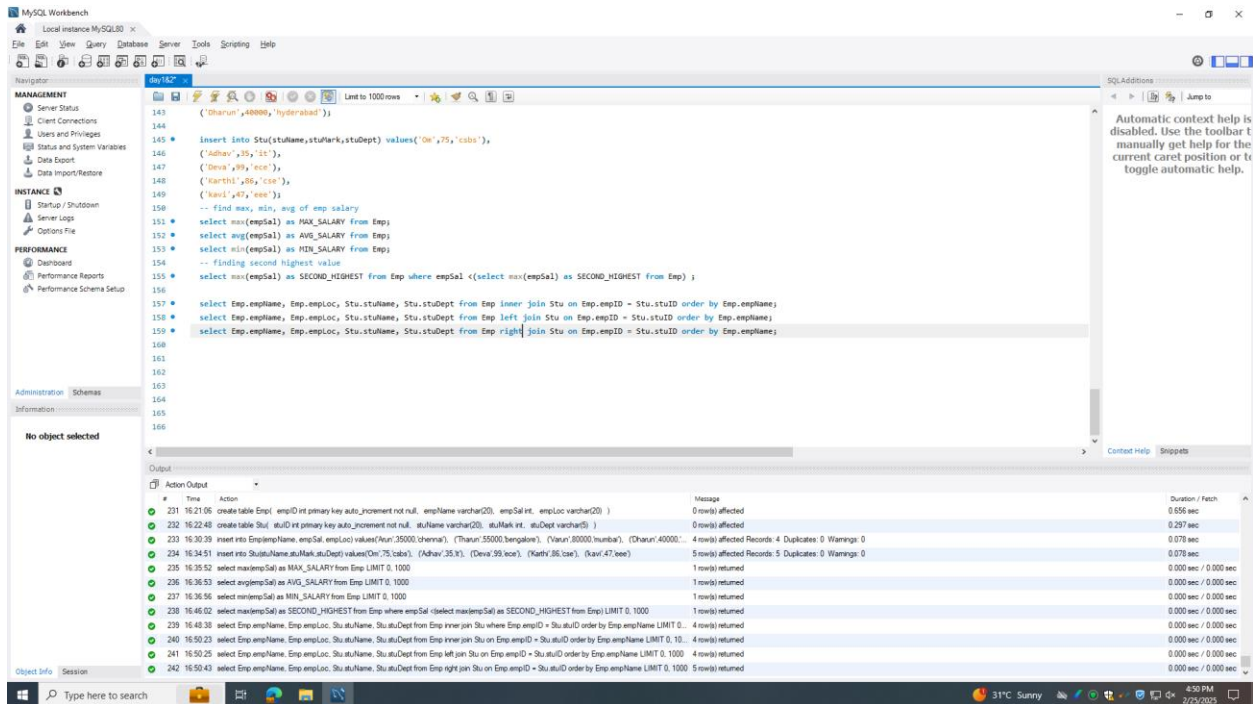
3. Find the second highest salary using sub query or limit

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-- find max, min, avg of emp salary  
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```

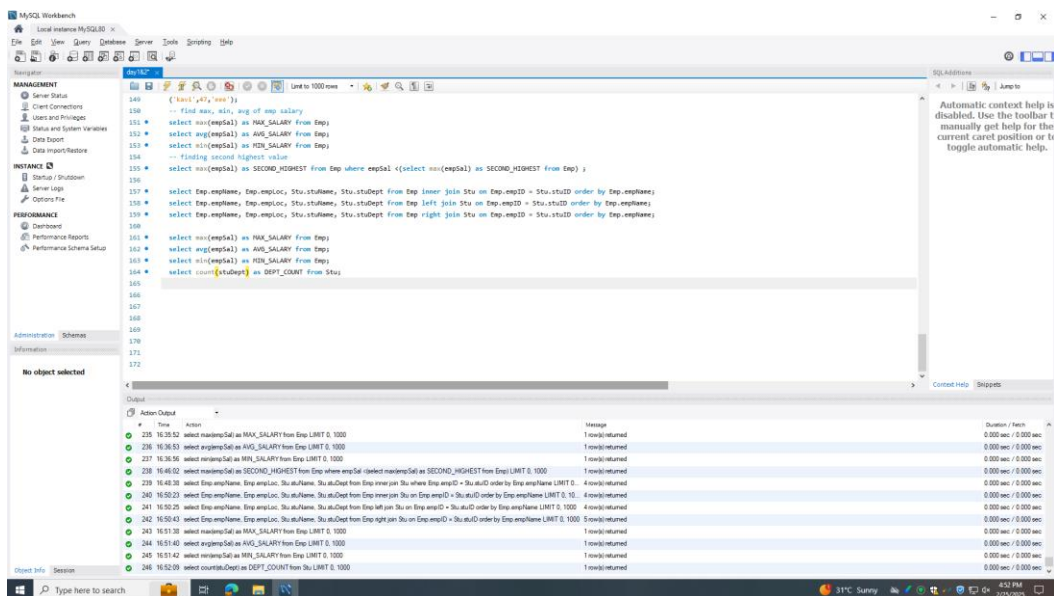
Output

Time	Action	Message	Duration / Fetch
226 15:23:15	select * from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
227 15:23:37	select position('n') from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
228 15:24:43	select * from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
229 15:24:36	select mat('name, 1') as location from guest LIMIT 0, 1000	3 rows returned	0.000 sec / 0.000 sec
230 16:19:12	use DB1	0 rows affected	0.000 sec
231 16:21:06	create table Emp(empID int primary key auto_increment not null, empName varchar(20), empSal int, empLoc varchar(20))	0 rows affected	0.656 sec
232 16:22:48	create table Stu(stuID int primary key auto_increment not null, stuName varchar(20), stuMark int, stuDept varchar(5))	0 rows affected	0.297 sec
233 16:30:39	insert into Emp(empName, empSal, empLoc) values('Ravi', 35000, 'Chennai'), ('Tharun', 55000, 'Bangalore'), ('Narun', 80000, 'Mumbai'), ('Charun', 40000, 'Hyderabad')	4 rows affected Records: 4 Duplicates: 0 Warnings: 0	0.078 sec
234 16:34:51	insert into Stu(stuName, stuMark, stuDept) values('Neha', 75, 'CSE'), ('Neha', 35, 'IT'), ('Devu', 35, 'IT'), ('Neha', 35, 'IT'), ('Neha', 35, 'IT')	5 rows affected Records: 5 Duplicates: 0 Warnings: 0	0.078 sec
235 16:35:52	select max(empSal) as MAX_SALARY from Emp LIMIT 0, 1000	1 row returned	0.000 sec / 0.000 sec
236 16:36:53	select min(empSal) as MIN_SALARY from Emp LIMIT 0, 1000	1 row returned	0.000 sec / 0.000 sec
237 16:36:56	select max(empSal) as MAX_SALARY from Emp LIMIT 0, 1000	1 row returned	0.000 sec / 0.000 sec
238 16:46:02	select max(empSal) as SECOND_HIGHEST from Emp where empSal < (select max(empSal) as SECOND_HIGHEST from Emp)	1 row returned	0.000 sec / 0.000 sec

4. Write a query for implementing the all the joins with order by or group by



5. Write a query to implementing all aggregate functions



6. Write a query using all string functions

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

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PERFORMANCE

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- Performance Reports
- Performance Schema Setup

Administration Schemas

Information

No object selected

SQL Editor

Limit to 1000 rows

```
157 * select Emp.empName, Emp.empLoc, Stu.stuName, Stu.stuDept from Emp inner join Stu on Emp.empID = Stu.stuID order by Emp.empName;
158 * select Emp.empName, Emp.empLoc, Stu.stuName, Stu.stuDept from Emp left join Stu on Emp.empID = Stu.stuID order by Emp.empName;
159 * select Emp.empName, Emp.empLoc, Stu.stuName, Stu.stuDept from Emp right join Stu on Emp.empID = Stu.stuID order by Emp.empName;
160
161 * select max(empSal) as MAX_SALARY from Emp;
162 * select avg(empSal) as AVG_SALARY from Emp;
163 * select min(empSal) as MIN_SALARY from Emp;
164 * select count(stuDept) as DEPT_COUNT from Stu;
165
166
167 * select concat(Emp.empName, ' ', Stu.stuName) CONCAT from Emp, Stu where Emp.empID = Stu.stuID;
168 * select substr(empName, 1, 3) SUBNAME from Emp;
169 * select upper(empName) as UPPER from Emp;
170 * select lower(stuName) as LOWER from Stu;
171 * select position('s' in stuName) as POSITION from Stu;
172 * select trim(stuName) as LOWER from Stu;
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```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
244	16:51:40	select avg(empSal) as AVG_SALARY from Emp LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
245	16:51:42	select min(empSal) as MIN_SALARY from Emp LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
246	16:52:09	select count(stuDept) as DEPT_COUNT from Stu LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
247	16:54:39	select concat(Emp.empName, ' ', Stu.stuName) from Emp, Stu LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
248	16:55:32	select concat(Emp.empName, ' ', Stu.stuName) CONCAT from Emp, Stu where Emp.empID = Stu.stuID LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
249	16:56:12	select substr(empName, 1, 3) SUBNAME from Emp LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
250	16:56:17	select upper(empName, 1, 3) SUBNAME from Emp LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
251	16:57:03	select upper(empName) as UPPER from Emp LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
252	16:57:24	select lower(stuName) as LOWER from Stu LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
253	17:01:24	select position('s' in stuName) as POSITION from Stu	Err Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near...	0.000 sec
254	17:02:02	select position('s' in stuName) as POSITION from Stu LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
255	17:02:27	select trim(stuName) as LOWER from Stu LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Windows Taskbar: 30°C Mostly sunny 5:02 PM 2/25/2025