

Enter password: **** Welcome to the MySQL monitor. Commands end with ;
or \g. Your MySQL connection id is 34 Server version: 8.0.32 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> SHOW DATABASES; +-----+ | Database | +-----+
--+ | hrcopydatabase | | hrdatabase | | information_schema | | mysql | | performance_schema | +-----+ 5 rows in set (0.00 sec)
```

```
mysql> USE hrcopydatabase; Database changed mysql> SHOW TABLES; +---
-----+ | Tables_in_hrcopydatabase | +-----+ | employees | +-----+ 1 row in set (0.00 sec)
```

```
mysql> DESCRIBE employees; +-----+-----+-----+-----+-----+
+-----+ | Field | Type | Null | Key | Default | Extra | +-----+-----+
-----+-----+ | EMPLOYEE_ID | int | YES | | NULL | | |
FIRST_NAME | varchar(50) | YES | | NULL | | | LAST_NAME | varchar(50) |
YES | | NULL | | | EMAIL | varchar(20) | YES | | NULL | | | PHONE_NUMBER
| varchar(10) | YES | | NULL | | | HIRE_DATE | date | YES | | NULL | | |
JOB_ID | varchar(20) | YES | | NULL | | | SALARY | double | YES | | NULL |
| | COMMISSION_PCT | int | YES | | NULL | | | MANAGER_ID | int | YES
| | NULL | | | DEPARTMENT_ID | int | YES | | NULL | | +-----+-----+
-----+-----+ 11 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM employees; +-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+-----+-----+-----+
-----+-----+ | EMPLOYEE_ID | FIRST_NAME | LAST_NAME
| EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY |
COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID | +-----+
+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+ | 100 | Saurabh | Bhagwat |
sb@share.com | 9923026232 | 2022-05-20 | Trader | 78000.98 | 345 | 12 | 67 |
101 | Nikhil | Kulkarni | nk@gmail.com | 9545429210 | 2020-12-12 | Developer |
79000.98 | 346 | 13 | 68 | | 102 | Tejas | Kolhapure | tk@gmail.com | 9765994343
| 2025-12-04 | HR | 80000.98 | 347 | 14 | 69 | | 103 | Pushkar | Chillal |
pc@gmail.com | 7666928145 | 2023-07-01 | Support | 81000.98 | 348 | 15 | 70 |
104 | Shubham | Tagunde | st@gmail.com | 9699629228 | 2025-12-25 | Python
Developer | 822000.98 | 349 | 16 | 71 | | 105 | Anurag | Sangle | as@gmail.com |
9881968888 | 2026-04-12 | Data Scientist | 832000.98 | 350 | 17 | 72 | | 106 | Ninad
| Baste | nb@gmail.com | 9881875915 | 2016-09-26 | Counsellor | 900000.99 | 351
| 18 | 73 | | 107 | Akshay | Gaikwad | ag@hhsbc.com | 9226610330 | 2012-01-07
| Git Lead | 910000.99 | 352 | 19 | 73 | | 108 | Atharva | Sawant | as@home.com
| 9075403130 | 2031-12-20 | HR | 920000 | 353 | 20 | 74 | | 109 | Yogesh | Pareek
```

```
| yp@gmail.com | 8928184205 | 2023-06-12 | QA | 930000 | 354 | 21 | 75 | | 110
| Rohit | Gaikwad | rg@gmail.com | 9765604750 | 2024-05-14 | Data Analyst |
950000 | 355 | 22 | 76 | | 111 | TalentPro | TechSolutions | tpts@gmail.com |
9373211521 | 2023-06-05 | Recruiter | 960000 | 356 | 23 | 77 | | 112 | Rushikesh
| Lokhande | rl@gmail.com | 7620516767 | 2023-03-20 | Police | 980000 |
357 | 24 | 78 | | 113 | Shubham | Tribhuwan | st@gmail.com | 9673397462 |
2018-03-22 | Java Developer | 990000 | 358 | 25 | 79 | | 114 | Samarth | Bhosale |
sb@gmail.com | 8796304669 | 2023-11-23 | Web Intern | 995000 | 359 | 26 | 80 |
+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+-----+-----+
15 rows in set (0.00
```

sec)

```
mysql> SELECT COUNT(JOB_ID) as Current Job Openings from employ-
ees; ERROR 1064 (42000): You have an error in your SQL syntax; check
the manual that corresponds to your MySQL server version for the right syn-
tax to use near 'Job Openings from employees' at line 1 mysql> SELECT
COUNT(JOB_ID) as Current_Job_Openings from employees; +-----+
---+ | Current_Job_Openings | +-----+ | 15 | +-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT SUM(SALARY) as Total_Salaries_Payable from employees;
+-----+ | Total_Salaries_Payable | +-----+ |
10507007.86 | +-----+ 1 row in set (0.00 sec)
```

```
mysql> SELECT MIN(SALARY) as Minimum_Salary from employees; +-----
-----+ | Minimum_Salary | +-----+ | 78000.98 | +-----+ 1
row in set (0.00 sec)
```

```
mysql> SELECT MAX(SALARY) as Maximum_Salary from employees where
JOB_ID='HR'; +-----+ | Maximum_Salary | +-----+ | 920000
| +-----+ 1 row in set (0.00 sec)
```

```
mysql> SELECT AVG(SALARY) as Average_Salary,COUNT(EMPLOYEE_ID)
as Number_of_Employees from employees WHERE DEPARTMENT_ID = 78;
+-----+-----+ | Average_Salary | Number_of_Employees |
+-----+-----+ | 980000 | 1 | +-----+
+ 1 row in set (0.00 sec)
```

```
mysql> SELECT MAX(SALARY) as Highest_Salary,MIN(SALARY) as
Minimum_Salary,SUM(SALARY) as Total_Payable,AVG(SALARY) as
Average_Salary from employees; +-----+-----+-----+-----+
+-----+ | Highest_Salary | Minimum_Salary | Total_Payable |
Average_Salary | +-----+-----+-----+-----+ |
995000 | 78000.98 | 10507007.86 | 700467.1906666666 | +-----+
+-----+ 1 row in set (0.00 sec)
```

```
mysql> SELECT JOB_ID,COUNT(*) from employees GROUP BY JOB_ID;
+-----+-----+ | JOB_ID | COUNT(*) | +-----+-----+
| Trader | 1 | | Developer | 1 | | HR | 2 | | Support | 1 | | Python Developer
```

```
| 1 | | Data Scientist | 1 | | Counsellor | 1 | | Git Lead | 1 | | QA | 1 | | Data Analyst | 1 | | Recruiter | 1 | | Police | 1 | | Java Developer | 1 | | Web Intern | 1 | +-----+-----+ 14 rows in set (0.00 sec)
```

```
mysql> SELECT MAX(SALARY)-MIN(SALARY) as Difference from employees; +-----+ | Difference | +-----+ | 916999.02 | +-----+ 1 row in set (0.00 sec)
```

```
mysql> SELECT MANAGER_ID,MIN(SALARY) from employees WHERE MANAGER_ID IS NOT NULL GROUP BY MANAGER_ID ORDER BY MIN(SALARY)DESC; +-----+-----+ | MANAGER_ID | MIN(SALARY) | +-----+-----+ | 26 | 995000 | | 25 | 990000 | | 24 | 980000 | | 23 | 960000 | | 22 | 950000 | | 21 | 930000 | | 20 | 920000 | | 19 | 910000.99 | | 18 | 900000.99 | | 17 | 832000.98 | | 16 | 822000.98 | | 15 | 81000.98 | | 14 | 80000.98 | | 13 | 79000.98 | | 12 | 78000.98 | +-----+-----+ 15 rows in set (0.00 sec)
```

```
mysql> SELECT DEPARTMENT_ID,SUM(SALARY) as Total from employees GROUP BY DEPARTMENT_ID; +-----+-----+ | DEPARTMENT_ID | Total | +-----+-----+ | 67 | 78000.98 | | 68 | 79000.98 | | 69 | 80000.98 | | 70 | 81000.98 | | 71 | 822000.98 | | 72 | 832000.98 | | 73 | 1810001.98 | | 74 | 920000 | | 75 | 930000 | | 76 | 950000 | | 77 | 960000 | | 78 | 980000 | | 79 | 990000 | | 80 | 995000 | +-----+-----+ 14 rows in set (0.00 sec)
```

```
mysql> SELECT JOB_ID,AVG(SALARY) from employees WHERE JOB_ID<>'HR' GROUP BY JOB_ID; +-----+-----+ | JOB_ID | AVG(SALARY) | +-----+-----+ | Trader | 78000.98 | | Developer | 79000.98 | | Support | 81000.98 | | Python Developer | 822000.98 | | Data Scientist | 832000.98 | | Counsellor | 900000.99 | | Git Lead | 910000.99 | | QA | 930000 | | Data Analyst | 950000 | | Recruiter | 960000 | | Police | 980000 | | Java Developer | 990000 | | Web Intern | 995000 | +-----+-----+ 13 rows in set (0.00 sec)
```

```
mysql> SELECT JOB_ID,SUM(SALARY),MIN(SALARY),AVG(SALARY) from employees WHERE DEPARTMENT_ID=78 GROUP BY JOB_ID; +-----+-----+ | JOB_ID | SUM(SALARY) | MIN(SALARY) | AVG(SALARY) | +-----+-----+ + | Police | 980000 | 980000 | 980000 | +-----+-----+ ---+ 1 row in set (0.00 sec)
```

```
mysql> SELECT JOB_ID,MAX(SALARY) from employees GROUP BY JOB_ID HAVING MAX(SALARY)>=920000; +-----+-----+ | JOB_ID | MAX(SALARY) | +-----+-----+ | HR | 920000 | | QA | 930000 | | Data Analyst | 950000 | | Recruiter | 960000 | | Police | 980000 | | Java Developer | 990000 | | Web Intern | 995000 | +-----+-----+ 7 rows in set (0.00 sec)
```

```
mysql> SELECT CONCAT(FIRST_NAME, LAST_NAME) as Name, SALARY
```

```

from employees WHERE SALARY NOT BETWEEN 900000 AND 950000;
+-----+-----+ | Name | SALARY | +-----+
+-----+ | SaurabhBhagwat | 78000.98 | | NikhilKulkarni | 79000.98 |
| TejasKolhapure | 80000.98 | | PushkarChillal | 81000.98 | | ShubhamTa-
gunde | 822000.98 | | AnuragSangle | 832000.98 | | TalentProTechSolutions |
960000 | | RushikeshLokhande | 980000 | | ShubhamTribhuwan | 990000 | |
SamarthBhosale | 995000 | +-----+-----+ 10 rows in set (0.00
sec)

```

```

mysql> SELECT CONCAT(FIRST_NAME, LAST_NAME) as Name, DEPARTMENT_ID
from employees WHERE DEPARTMENT_ID IN(60,90) ORDER BY DE-
PARTMENT_ID; Empty set (0.00 sec)

```

```

mysql> SELECT CONCAT(FIRST_NAME, LAST_NAME) as Name, DEPARTMENT_ID
from employees WHERE DEPARTMENT_ID IN(60,70) ORDER BY DE-
PARTMENT_ID; +-----+-----+ | Name | DEPARTMENT_ID
| +-----+-----+ | PushkarChillal | 70 | +-----+-----+
---+ 1 row in set (0.00 sec)

```

```

mysql> SELECT CONCAT(FIRST_NAME, LAST_NAME) as Name, SALARY
from employees WHERE SALARY NOT BETWEEN 70000 AND 80000 AND
DEPARTMENT_ID IN(70,75); +-----+-----+ | Name | SALARY |
+-----+-----+ | PushkarChillal | 81000.98 | | YogeshPareek | 930000
| +-----+-----+ 2 rows in set (0.00 sec)

```

```

mysql> SELECT CONCAT(FIRST_NAME, LAST_NAME) as Name, SALARY
from employees WHERE SALARY >= 70000 AND SALARY <= 80000 AND
(DEPARTMENT_ID = 70 OR DEPARTMENT_ID = 75); ERROR 1064
(42000): 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
" at line 1 mysql> SELECT CONCAT(FIRST_NAME, LAST_NAME)
as Name, SALARY from employees WHERE SALARY >= 70000 AND
SALARY <= 80000 AND (DEPARTMENT_ID = 70 OR DEPARTMENT_ID
= 75); Empty set (0.00 sec)

```

```

mysql> SELECT CONCAT(FIRST_NAME, LAST_NAME) as Name, SALARY
from employees WHERE SALARY >= 70000 AND SALARY <= 80000 AND
(DEPARTMENT_ID = 70 OR DEPARTMENT_ID = 75); Empty set (0.00
sec)

```

```

mysql> SELECT CONCAT(FIRST_NAME, LAST_NAME) as Name, SALARY
from employees WHERE SALARY >= 70000 AND SALARY <= 80000 AND
(DEPARTMENT_ID = 70 OR DEPARTMENT_ID = 80); Empty set (0.00
sec)

```

```

mysql> SELECT CONCAT(FIRST_NAME, LAST_NAME) as Name, HIRE_DATE
from employees WHERE YEAR(HIRE_DATE)=2023; +-----+
+-----+ | Name | HIRE_DATE | +-----+-----+
PushkarChillal | 2023-07-01 | | YogeshPareek | 2023-06-12 | | TalentProTechSo-

```

```

lutions | 2023-06-05 | | RushikeshLokhande | 2023-03-20 | | SamarthBhosale |
2023-11-23 | +-----+-----+ 5 rows in set (0.00 sec)

mysql> SELECT FIRST_NAME from employees WHERE FIRST_NAME
LIKE '%b%c%'; Empty set (0.00 sec)

mysql> SELECT FIRST_NAME from employees WHERE FIRST_NAME
LIKE '%c%h%'; Empty set (0.00 sec)

mysql> SELECT FIRST_NAME from employees WHERE FIRST_NAME
LIKE '%c'; Empty set (0.00 sec)

mysql> SELECT FIRST_NAME from employees WHERE FIRST_NAME
LIKE '%c_____'; Empty set (0.00 sec)

mysql> SELECT LAST_NAME,JOB_ID from employees WHERE JOB_ID
in('HR',Java Developer) AND SALARY NOT IN(70000,80000); ERROR 1064
(42000): You have an error in your SQL syntax; check the manual that corre-
sponds to your MySQL server version for the right syntax to use near 'De-
veloper) AND SALARY NOT IN(70000,80000)' at line 1 mysql> SELECT
LAST_NAME,JOB_ID from employees WHERE JOB_ID in('HR','Java De-
veloper') AND SALARY NOT IN(70000,80000); +-----+-----+ |
LAST_NAME | JOB_ID | +-----+-----+ | Kolhapure | HR | |
Sawant | HR | | Tribhuwan | Java Developer | +-----+-----+ 3 rows
in set (0.00 sec)

mysql> SELECT LAST_NAME FROM employees WHERE LENGTH(LAST_NAME)=9;
+-----+ | LAST_NAME | +-----+ | Kolhapure | | Tribhuwan | +-----
---+ 2 rows in set (0.00 sec)

mysql> SELECT LAST_NAME from employees WHERE LAST_NAME
LIKE '___a%'; Empty set (0.00 sec)

mysql> SELECT LAST_NAME from employees WHERE LAST_NAME
LIKE '___a%'; +-----+ | LAST_NAME | +-----+ | Bhagwat |
+-----+ 1 row in set (0.00 sec)

mysql> SELECT DISTINCT JOB_ID from employees; +-----+ |
JOB_ID | +-----+ | Trader | | Developer | | HR | | Support | | Python
Developer | | Data Scientist | | Counsellor | | Git Lead | | QA | | Data Analyst
| | Recruiter | | Police | | Java Developer | | Web Intern | +-----+ 14
rows in set (0.00 sec)

mysql> SELECT CONCAT(FIRST_NAME, LAST_NAME) as Name, SALARY, SALARY*15/100
as PF from employees; +-----+-----+-----+ |
Name | SALARY | PF | +-----+-----+-----+ |
SaurabhBhagwat | 78000.98 | 11700.146999999999 | | NikhilKulkarni | 79000.98
| 11850.146999999999 | | TejasKolhapure | 80000.98 | 12000.146999999999
| | PushkarChillal | 81000.98 | 12150.146999999999 | | ShubhamTagunde |
822000.98 | 123300.147 | | AnuragSangle | 832000.98 | 124800.147 | | NinadBaste
| 900000.99 | 135000.1485 | | AkshayGaikwad | 910000.99 | 136500.1485 | |

```

```

AtharvaSawant | 920000 | 138000 | | YogeshPareek | 930000 | 139500 | |
RohitGaikwad | 950000 | 142500 | | TalentProTechSolutions | 960000 | 144000
| | RushikeshLokhande | 980000 | 147000 | | ShubhamTribhuwan | 990000 |
148500 | | SamarthBhosale | 995000 | 149250 | +-----+-----+
-----+ 15 rows in set (0.00 sec)

```

```

mysql> SELECT * FROM employees WHERE LAST_NAME in('Bhagwat','Tribhuwan','Kolhapure');
+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+ | EMPLOYEE_ID
| FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER |
HIRE_DATE | JOB_ID | SALARY | COMMISSION_PCT | MANAGER_ID
| DEPARTMENT_ID | +-----+-----+-----+-----+-----+
---+-----+-----+-----+-----+-----+-----+ |
100 | Saurabh | Bhagwat | sb@share.com | 9923026232 | 2022-05-20 | Trader |
78000.98 | 345 | 12 | 67 | | 102 | Tejas | Kolhapure | tk@gmail.com | 9765994343
| 2025-12-04 | HR | 80000.98 | 347 | 14 | 69 | | 113 | Shubham | Tribhuwan |
st@gmail.com | 9673397462 | 2018-03-22 | Java Developer | 990000 | 358 | 25
| 79 | +-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+ 3 rows in set (0.00
sec)

```

```
mysql>
```