

```
1 Enter password: ****
2 Welcome to the MySQL monitor. Commands end with ; or \g.
3 Your MySQL connection id is 30
4 Server version: 8.0.44 MySQL Community Server - GPL
5
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9 affiliates. Other names may be trademarks of their respective
10 owners.
11
12 Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
13
14 mysql> show databases;
15 +-----+
16 | Database      |
17 +-----+
18 | information_schema |
19 | mysql          |
20 | nit            |
21 | performance_schema |
22 | sys            |
23 +-----+
24 5 rows in set (0.00 sec)
25
26 mysql> use nit;
27 Database changed
28 mysql> select 10 + 20;
29 +-----+
30 | 10 + 20 |
31 +-----+
32 |      30 |
33 +-----+
34 1 row in set (0.00 sec)
35
36 mysql> select 10 * 20;
37 +-----+
38 | 10 * 20 |
39 +-----+
40 |     200 |
41 +-----+
42 1 row in set (0.00 sec)
43
44 mysql> select 10 / 5;
45 +-----+
46 | 10 / 5 |
47 +-----+
48 | 2.0000 |
49 +-----+
50 1 row in set (0.00 sec)
51
52 mysql> select 12 % 5;
53 +-----+
54 | 12 % 5 |
55 +-----+
56 |      2 |
57 +-----+
58 1 row in set (0.00 sec)
59
60 mysql> select 12 % 5;
61 +-----+
62 | 12 % 5 |
63 +-----+
64 |      2 |
65 +-----+
66 1 row in set (0.00 sec)
67
68 mysql> create table customers(ID int,NAME varchar(30),AGE int,ADRESS varchar(50),SALARY int);
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69 ERROR 1050 (42S01): Table 'customers' already exists
70 mysql> delete customer
71     ->
72         -> create table customers(ID int,NAME varchar(30),AGE int,ADRESS varchar(50),SALARY
73             int);
73 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 'create table
    customers(ID int,NAME varchar(30),AGE int,ADRESS varchar(50),SALARY' at line 3
74 mysql> desc customers;
75 +-----+-----+-----+-----+
76 | Field   | Type      | Null | Key | Default | Extra |
77 +-----+-----+-----+-----+
78 | ID      | int       | YES  |     | NULL    |       |
79 | NAME    | varchar(30) | YES  |     | NULL    |       |
80 | AGE     | int       | YES  |     | NULL    |       |
81 | ADRESS  | varchar(50) | YES  |     | NULL    |       |
82 | SALARY  | int       | YES  |     | NULL    |       |
83 +-----+-----+-----+-----+
84 5 rows in set (0.00 sec)
85
86 mysql> insert into
87     customers(ID,NAME,AGE,ADRESS,SALARY) values(1,'Ramesh',32,'Ahmedabad',2000.00);
88 Query OK, 1 row affected (0.00 sec)
89
90 mysql> insert into customers
91     values(2,'Huzaif',27,'pune',20000),(3,'zain',19,'kota',10000),
92         -> (4,'aadil',27,'dubai',200000),
93         -> (5,'abrar',18,'Aurad',18000),
94         -> (6,'santosh',22,'nagpur',150000),
95         -> (7,'Abhishek',24,'latur',100000);
96 Query OK, 6 rows affected (0.00 sec)
97 Records: 6  Duplicates: 0  Warnings: 0
98 mysql> select * from customers;
99 +-----+-----+-----+-----+
100 | ID    | NAME    | AGE   | ADRESS  | SALARY |
101 +-----+-----+-----+-----+
102 | 1     | Ramesh  | 32   | Ahmedabad | 2000  |
103 | 2     | Huzaif  | 27   | pune    | 20000 |
104 | 3     | zain    | 19   | kota    | 10000 |
105 | 4     | aadil   | 27   | dubai   | 200000 |
106 | 5     | abrar   | 18   | Aurad   | 18000  |
107 | 6     | santosh | 22   | nagpur  | 150000 |
108 | 7     | Abhishek | 24   | latur   | 100000 |
109 +-----+-----+-----+-----+
110 7 rows in set (0.00 sec)
111
112 mysql> select * from customers where salary >5000;
113 +-----+-----+-----+-----+
114 | ID    | NAME    | AGE   | ADRESS  | SALARY |
115 +-----+-----+-----+-----+
116 | 2     | Huzaif  | 27   | pune    | 20000  |
117 | 3     | zain    | 19   | kota    | 10000  |
118 | 4     | aadil   | 27   | dubai   | 200000 |
119 | 5     | abrar   | 18   | Aurad   | 18000  |
120 +-----+-----+-----+-----+
121 6 rows in set (0.00 sec)
122
123 mysql> select * from customers where salary=2000;
124 +-----+-----+-----+-----+
125 | ID    | NAME    | AGE   | ADRESS  | SALARY |
126 +-----+-----+-----+-----+
127 | 1     | Ramesh  | 32   | Ahmedabad | 2000  |
128 +-----+-----+-----+-----+
129 1 row in set (0.00 sec)
130
131 mysql> select * from customers where salary != 2000;
132 +-----+-----+-----+-----+

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133 | ID   | NAME    | AGE   | ADRESS  | SALARY |
134 +-----+-----+-----+-----+
135 | 2   | Huzaif  | 27   | pune    | 20000  |
136 | 3   | zain     | 19   | kota    | 10000  |
137 | 4   | aadil    | 27   | dubai   | 200000 |
138 | 5   | abrar    | 18   | Aurad   | 18000  |
139 | 6   | santosh  | 22   | nagpur  | 150000 |
140 | 7   | Abhishek | 24   | latur   | 100000 |
141 +-----+-----+-----+-----+
142 6 rows in set (0.00 sec)
143
144 mysql> select * from customers where salary <> 2000;
145 +-----+-----+-----+-----+
146 | ID   | NAME    | AGE   | ADRESS  | SALARY |
147 +-----+-----+-----+-----+
148 | 2   | Huzaif  | 27   | pune    | 20000  |
149 | 3   | zain     | 19   | kota    | 10000  |
150 | 4   | aadil    | 27   | dubai   | 200000 |
151 | 5   | abrar    | 18   | Aurad   | 18000  |
152 | 6   | santosh  | 22   | nagpur  | 150000 |
153 | 7   | Abhishek | 24   | latur   | 100000 |
154 +-----+-----+-----+-----+
155 6 rows in set (0.00 sec)
156
157 mysql> select * from customers where salary >=6500;
158 +-----+-----+-----+-----+
159 | ID   | NAME    | AGE   | ADRESS  | SALARY |
160 +-----+-----+-----+-----+
161 | 2   | Huzaif  | 27   | pune    | 20000  |
162 | 3   | zain     | 19   | kota    | 10000  |
163 | 4   | aadil    | 27   | dubai   | 200000 |
164 | 5   | abrar    | 18   | Aurad   | 18000  |
165 | 6   | santosh  | 22   | nagpur  | 150000 |
166 | 7   | Abhishek | 24   | latur   | 100000 |
167 +-----+-----+-----+-----+
168 6 rows in set (0.00 sec)
169
170 mysql> select * from customers;
171 +-----+-----+-----+-----+
172 | ID   | NAME    | AGE   | ADRESS  | SALARY |
173 +-----+-----+-----+-----+
174 | 1   | Ramesh  | 32   | Ahmedabad | 2000  |
175 | 2   | Huzaif  | 27   | pune    | 20000  |
176 | 3   | zain     | 19   | kota    | 10000  |
177 | 4   | aadil    | 27   | dubai   | 200000 |
178 | 5   | abrar    | 18   | Aurad   | 18000  |
179 | 6   | santosh  | 22   | nagpur  | 150000 |
180 | 7   | Abhishek | 24   | latur   | 100000 |
181 +-----+-----+-----+-----+
182 7 rows in set (0.00 sec)
183
184 mysql> select *from customers where age>= 25 and salary >=6500;
185 +-----+-----+-----+-----+
186 | ID   | NAME    | AGE   | ADRESS  | SALARY |
187 +-----+-----+-----+-----+
188 | 2   | Huzaif  | 27   | pune    | 20000  |
189 | 4   | aadil    | 27   | dubai   | 200000  |
190 +-----+-----+-----+-----+
191 2 rows in set (0.00 sec)
192
193 mysql> select *from customers where age>= 25 or salary >=6500;
194 +-----+-----+-----+-----+
195 | ID   | NAME    | AGE   | ADRESS  | SALARY |
196 +-----+-----+-----+-----+
197 | 1   | Ramesh  | 32   | Ahmedabad | 2000  |
198 | 2   | Huzaif  | 27   | pune    | 20000  |
199 | 3   | zain     | 19   | kota    | 10000  |
200 | 4   | aadil    | 27   | dubai   | 200000  |
201 | 5   | abrar    | 18   | Aurad   | 18000  |

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202 |   6 | santosh   |   22 | nagpur     | 150000 |
203 |   7 | Abhishek  |   24 | latur      | 100000 |
204 +-----+-----+-----+-----+
205 7 rows in set (0.00 sec)
206
207 mysql> select *from customers where age is not null;
208 +-----+-----+-----+-----+
209 | ID   | NAME    | AGE   | ADRESS   | SALARY |
210 +-----+-----+-----+-----+
211 |   1 | Ramesh  |   32 | Ahmedabad | 2000  |
212 |   2 | Huzaif  |   27 | pune     | 20000 |
213 |   3 | zain    |   19 | kota     | 10000 |
214 |   4 | aadil   |   27 | dubai    | 200000 |
215 |   5 | abrar   |   18 | Aurad    | 18000 |
216 |   6 | santosh |   22 | nagpur   | 150000 |
217 |   7 | Abhishek |   24 | latur    | 100000 |
218 +-----+-----+-----+-----+
219 7 rows in set (0.00 sec)
220
221 mysql> select *from customers where name like 'Hu%';
222 +-----+-----+-----+-----+
223 | ID   | NAME    | AGE   | ADRESS   | SALARY |
224 +-----+-----+-----+-----+
225 |   2 | Huzaif  |   27 | pune     | 20000 |
226 +-----+-----+-----+-----+
227 1 row in set (0.00 sec)
228
229 mysql> select *from customers where name like 'Ab%';
230 +-----+-----+-----+-----+
231 | ID   | NAME    | AGE   | ADRESS   | SALARY |
232 +-----+-----+-----+-----+
233 |   5 | abrar   |   18 | Aurad    | 18000 |
234 |   7 | Abhishek |   24 | latur    | 100000 |
235 +-----+-----+-----+-----+
236 2 rows in set (0.00 sec)
237
238 mysql> select *from customer where age in (22,27);
239 ERROR 1146 (42S02): Table 'nit.customer' doesn't exist
240 mysql> select *from customers where age in (25,27);
241 +-----+-----+-----+
242 | ID   | NAME    | AGE   | ADRESS   | SALARY |
243 +-----+-----+-----+
244 |   2 | Huzaif  |   27 | pune     | 20000 |
245 |   4 | aadil   |   27 | dubai    | 200000 |
246 +-----+-----+-----+
247 2 rows in set (0.00 sec)
248
249 mysql> select *from customers where age in (22,27);
250 +-----+-----+-----+-----+
251 | ID   | NAME    | AGE   | ADRESS   | SALARY |
252 +-----+-----+-----+-----+
253 |   2 | Huzaif  |   27 | pune     | 20000 |
254 |   4 | aadil   |   27 | dubai    | 200000 |
255 |   6 | santosh |   22 | nagpur   | 150000 |
256 +-----+-----+-----+-----+
257 3 rows in set (0.00 sec)
258
259
260 mysql> select *from customers where age between 25 and 32;
261 +-----+-----+-----+-----+
262 | ID   | NAME    | AGE   | ADRESS   | SALARY |
263 +-----+-----+-----+-----+
264 |   1 | Ramesh  |   32 | Ahmedabad | 2000  |
265 |   2 | Huzaif  |   27 | pune     | 20000 |
266 |   4 | aadil   |   27 | dubai    | 200000 |
267 +-----+-----+-----+-----+
268 3 rows in set (0.00 sec)
269
270

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271 mysql> select age from customers where exists (select age from customers where salary >
22000);
272 +----+
273 | age |
274 +----+
275 | 32 |
276 | 27 |
277 | 19 |
278 | 27 |
279 | 18 |
280 | 22 |
281 | 24 |
282 +----+
283 7 rows in set (0.00 sec)
284
285 mysql> select age from customers where exists (select age from customers where salary >
1000);
286 +----+
287 | age |
288 +----+
289 | 32 |
290 | 27 |
291 | 19 |
292 | 27 |
293 | 18 |
294 | 22 |
295 | 24 |
296 +----+
297 7 rows in set (0.00 sec)
298
299 mysql> select age from customers where exists (select age from customers where salary >
100000);
300 +----+
301 | age |
302 +----+
303 | 32 |
304 | 27 |
305 | 19 |
306 | 27 |
307 | 18 |
308 | 22 |
309 | 24 |
310 +----+
311 7 rows in set (0.00 sec)
312
313
314 mysql> select * from customers where age>all (select age from customers where
salary>6500);
315 +-----+-----+-----+-----+
316 | ID   | NAME    | AGE    | ADRESS   | SALARY  |
317 +-----+-----+-----+-----+
318 | 1    | Ramesh  | 32    | Ahmedabad | 2000   |
319 +-----+-----+-----+-----+
320 1 row in set (0.00 sec)
321
322 mysql> select *from customers where age>any (select age from customers where
salary>6500);
323 +-----+-----+-----+-----+
324 | ID   | NAME    | AGE    | ADRESS   | SALARY  |
325 +-----+-----+-----+-----+
326 | 1    | Ramesh  | 32    | Ahmedabad | 2000   |
327 | 2    | Huzaif  | 27    | pune     | 20000  |
328 | 3    | zain    | 19    | kota     | 10000  |
329 | 4    | aadil   | 27    | dubai    | 200000 |
330 | 6    | santosh | 22    | nagpur   | 150000 |
331 | 7    | Abhishek | 24    | latur    | 100000 |
332 +-----+-----+-----+-----+
333 6 rows in set (0.00 sec)
334

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335 mysql> select *from customers where age>any (select age from customers where salary>650);
336 +-----+-----+-----+-----+
337 | ID   | NAME    | AGE   | ADRESS   | SALARY |
338 +-----+-----+-----+-----+
339 | 1   | Ramesh  | 32   | Ahmedabad | 2000  |
340 | 2   | Huzaif  | 27   | pune     | 20000 |
341 | 3   | zain    | 19   | kota     | 10000 |
342 | 4   | aadil   | 27   | dubai    | 200000 |
343 | 6   | santosh | 22   | nagpur   | 150000 |
344 | 7   | Abhishek| 24   | latur    | 100000 |
345 +-----+-----+-----+-----+
346 6 rows in set (0.00 sec)
347
348 mysql> select *from customers where age>any (select age from customers where
349 salary>65000);
350 +-----+-----+-----+-----+
351 | ID   | NAME    | AGE   | ADRESS   | SALARY |
352 +-----+-----+-----+-----+
352 | 1   | Ramesh  | 32   | Ahmedabad | 2000  |
353 | 2   | Huzaif  | 27   | pune     | 20000 |
354 | 4   | aadil   | 27   | dubai    | 200000 |
355 | 7   | Abhishek| 24   | latur    | 100000 |
356 +-----+-----+-----+-----+
357 4 rows in set (0.00 sec)
358
359
360 mysql> select * from customers ;
361 +-----+-----+-----+-----+
362 | ID   | NAME    | AGE   | ADRESS   | SALARY |
363 +-----+-----+-----+-----+
364 | 1   | Ramesh  | 32   | Ahmedabad | 2000  |
365 | 2   | Huzaif  | 27   | pune     | 20000 |
366 | 3   | zain    | 19   | kota     | 10000 |
367 | 4   | aadil   | 27   | dubai    | 200000 |
368 | 5   | abrar   | 18   | Aurad    | 18000 |
369 | 6   | santosh | 22   | nagpur   | 150000 |
370 | 7   | Abhishek| 24   | latur    | 100000 |
371 +-----+-----+-----+-----+
372 7 rows in set (0.00 sec)
373
374 mysql> select *from customers where salary=10000;
375 +-----+-----+-----+-----+
376 | ID   | NAME  | AGE   | ADRESS  | SALARY |
377 +-----+-----+-----+-----+
378 | 3   | zain  | 19   | kota   | 10000 |
379 +-----+-----+-----+-----+
380 1 row in set (0.00 sec)
381
382 mysql> select current_timestamp;
383 +-----+
384 | current_timestamp |
385 +-----+
386 | 2025-11-15 15:25:55 |
387 +-----+
388 1 row in set (0.00 sec)
389
390 mysql> show databases;
391 +-----+
392 | Database |
393 +-----+
394 | information_schema |
395 | mysql |
396 | nit |
397 | performance_schema |
398 | sys |
399 +-----+
400 5 rows in set (0.00 sec)
401
402 mysql> create table salary as select id ,salary from customers;

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403 Query OK, 7 rows affected (0.02 sec)
404 Records: 7 Duplicates: 0 Warnings: 0
405
406 mysql> update customers set adress='ahmedpur' where id=2;
407 Query OK, 1 row affected (0.01 sec)
408 Rows matched: 1 Changed: 1 Warnings: 0
409
410 mysql> desc customers;
411 +-----+-----+-----+-----+-----+
412 | Field | Type      | Null | Key | Default | Extra |
413 +-----+-----+-----+-----+-----+
414 | ID    | int       | YES  |     | NULL    |       |
415 | NAME  | varchar(30) | YES  |     | NULL    |       |
416 | AGE   | int       | YES  |     | NULL    |       |
417 | ADRESS | varchar(50) | YES  |     | NULL    |       |
418 | SALARY | int       | YES  |     | NULL    |       |
419 +-----+-----+-----+-----+
420 5 rows in set (0.00 sec)
421
422 mysql> select * from customers
423 -> ^C
424 mysql> select * from customers;
425 +-----+-----+-----+-----+
426 | ID  | NAME    | AGE   | ADRESS  | SALARY |
427 +-----+-----+-----+-----+
428 | 1   | Ramesh  | 32    | Ahmedabad | 2000  |
429 | 2   | Huzaif  | 27    | ahmedpur  | 20000 |
430 | 3   | zain    | 19    | kota      | 10000 |
431 | 4   | aadil   | 27    | dubai     | 200000 |
432 | 5   | abrar   | 18    | Aurad    | 18000  |
433 | 6   | santosh | 22    | nagpur   | 150000 |
434 | 7   | Abhishek | 24    | latur    | 100000 |
435 +-----+-----+-----+-----+
436 7 rows in set (0.00 sec)
437
438 mysql> update customers set adress='ahmedpur' where salary=25000;
439 Query OK, 0 rows affected (0.00 sec)
440 Rows matched: 0 Changed: 0 Warnings: 0
441
442 mysql> select * from customers;
443 +-----+-----+-----+-----+
444 | ID  | NAME    | AGE   | ADRESS  | SALARY |
445 +-----+-----+-----+-----+
446 | 1   | Ramesh  | 32    | Ahmedabad | 2000  |
447 | 2   | Huzaif  | 27    | ahmedpur  | 20000 |
448 | 3   | zain    | 19    | kota      | 10000 |
449 | 4   | aadil   | 27    | dubai     | 200000 |
450 | 5   | abrar   | 18    | Aurad    | 18000  |
451 | 6   | santosh | 22    | nagpur   | 150000 |
452 | 7   | Abhishek | 24    | latur    | 100000 |
453 +-----+-----+-----+-----+
454 7 rows in set (0.00 sec)
455
456 mysql> update customers set adress='ahmedpur' where salary=1000;
457 Query OK, 0 rows affected (0.00 sec)
458 Rows matched: 0 Changed: 0 Warnings: 0
459
460 mysql> update customers set adress='ahmedpur', salary=1000;
461 Query OK, 7 rows affected (0.01 sec)
462 Rows matched: 7 Changed: 7 Warnings: 0
463
464 mysql> select * from customers;
465 +-----+-----+-----+-----+
466 | ID  | NAME    | AGE   | ADRESS  | SALARY |
467 +-----+-----+-----+-----+
468 | 1   | Ramesh  | 32    | ahmedpur | 1000  |
469 | 2   | Huzaif  | 27    | ahmedpur | 1000  |
470 | 3   | zain    | 19    | ahmedpur | 1000  |
471 | 4   | aadil   | 27    | ahmedpur | 1000  |

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```
472 |      5 | abrar      |     18 | ahmedpur |    1000 |
473 |      6 | santosh     |     22 | ahmedpur |    1000 |
474 |      7 | Abhishek   |     24 | ahmedpur |    1000 |
475 +-----+-----+-----+-----+-----+
476 7 rows in set (0.00 sec)
477
478 mysql> select(15+6) As Addition;
479 +-----+
480 | Addition |
481 +-----+
482 |      21 |
483 +-----+
484 1 row in set (0.00 sec)
485
486 mysql> SELECT COUNT(*) AS "RECORDS" FROM CUSTOMERS;
487 +-----+
488 | RECORDS |
489 +-----+
490 |      7 |
491 +-----+
492 1 row in set (0.02 sec)
493
494 mysql> SELECT GETDATE();
495 ERROR 1305 (42000): FUNCTION nit.GETDATE does not exist
496 mysql> SELECT CURRENT_DATE;
497 +-----+
498 | CURRENT_DATE |
499 +-----+
500 | 2025-11-15 |
501 +-----+
502 1 row in set (0.00 sec)
503
504
505 mysql> SELECT CURRENT_TIME;
506 +-----+
507 | CURRENT_TIME |
508 +-----+
509 | 15:38:25 |
510 +-----+
511 1 row in set (0.00 sec)
512
513 mysql> show databases;
514 +-----+
515 | Database      |
516 +-----+
517 | information_schema |
518 | mysql          |
519 | nit            |
520 | performance_schema |
521 | sys            |
522 +-----+
523 5 rows in set (0.00 sec)
524 Database changed
525 mysql>
```