

01:35:23

WhatsApp Image 2021-09-24 at 12:40:44 - Windows Photo Viewer

Consider the following table STUDENT.

Students

REGD.NO	NAME	BRANCH
0001	Ram	CSE
0002	Hari	MECH
0003	Pradeep	EEE
0004	Deepak	ETC

1. Write down the SQL command which will show the Regd. No of Pradeep.
2. Write down the SQL command which will show the Name and Branch column.
3. Write a SQL command which will count the number of rows existing in STUDENT table.
4. I want to add another column in the STUDENT table as "address". How can I do that?

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MySQL 8.0 Command Line Client - Unicode
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.26 MySQL Community Server - GPL

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owners.

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

mysql> use studentdb;
Database changed
mysql> create table studentdata(regdno int primary key,name varchar(20),branch varchar(20));
Query OK, 0 rows affected (2.85 sec)

mysql> insert into studentdata values(0001,'ram','cse');
Query OK, 1 row affected (0.39 sec)

mysql> insert into studentdata values(0002,'hari','mech');
Query OK, 1 row affected (0.24 sec)

mysql> insert into studentdata values(0003,'pradeep','eee');
Query OK, 1 row affected (0.16 sec)

mysql> insert into studentdata values(0004,'Deepak','etc');
Query OK, 1 row affected (0.14 sec)

mysql> select * from studentdata;
+-----+-----+-----+
| regdno | name  | branch |
+-----+-----+-----+
| 1      | ram   | cse    |
| 2      | hari  | mech   |
| 3      | pradeep | eee    |
| 4      | Deepak | etc    |
+-----+-----+-----+
4 rows in set (0.07 sec)

mysql> select regdno from studentdata where name='pradeep';
+-----+
| regdno |
+-----+
| 3      |
+-----+
1 row in set (0.00 sec)

mysql> select name,branch from studentdata;
+-----+-----+
| name  | branch |
+-----+-----+
| ram   | cse    |
| hari  | mech   |
| pradeep | eee    |
| Deepak | etc    |
+-----+-----+
4 rows in set (0.00 sec)

mysql> select count(*) from studentdata;
+-----+
| count(*) |
+-----+
| 4        |
+-----+
1 row in set (0.18 sec)

mysql> alter table studentdata add address varchar(20);
Query OK, 0 rows affected (2.84 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc studentdata;
+-----+-----+-----+-----+-----+-----+
| Field | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| regdno | int   | NO   | PRI | NULL    |       |
| name   | varchar(20) | YES |     | NULL    |       |
| branch | varchar(20) | YES |     | NULL    |       |
| address | varchar(20) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.47 sec)

mysql>
  
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MySQL 8.0 Command Line Client - Unicode
branch='mech'" at line 1
mysql> select regdno from studentdata where name='Deepak'or branch="mech";
+-----+
| regdno |
+-----+
|      2 |
|      4 |
+-----+
2 rows in set (0.35 sec)

mysql> alter table studentdata add address varchar(10) default 'bangalore';
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 'var
cha(10) default 'bangalore'" at line 1
mysql> alter table studentdata add address = default 'bangalore';
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 '= d
efault 'bangalore'" at line 1
mysql> alter table studentdata modify address varchar(10), default 'bangalore';
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 'ba
ngalore'" at line 1
mysql> alter table studentdata modify address varchar(10) default 'bangalore';
Query OK, 4 rows affected (0.82 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> select * from studentdata;
+-----+-----+-----+-----+
| regdno | name  | branch | address |
+-----+-----+-----+-----+
|      1 | ram   | cse    | NULL    |
|      2 | harj  | mech   | NULL    |
|      3 | pradeep | eee    | NULL    |
|      4 | Deepak | etc    | NULL    |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> alter table studentdata drop address;
Query OK, 0 rows affected (3.45 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table studentdata add address varchar(10) default 'bangalore';
Query OK, 0 rows affected (1.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> select * from studentdata;
+-----+-----+-----+-----+
| regdno | name  | branch | address |
+-----+-----+-----+-----+
|      1 | ram   | cse    | bangalore |
|      2 | harj  | mech   | bangalore |
|      3 | pradeep | eee    | bangalore |
|      4 | Deepak | etc    | bangalore |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> create table employeetable(empno int primary key,ename varchar(10),job varchar(10),hiredate date,mgr int,sal int,comm int,deptno);
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> create table employeetable(empno int primary key,ename varchar(10),job varchar(10),hiredate date,mgr int,sal int,comm int,deptno int);
Query OK, 0 rows affected (2.57 sec)

mysql> insert into employeetable values(7369,'smith','clerk','1980-12-17',7902,800,,20);
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 ',20
)' at line 1
mysql> insert into employeetable values(7369,'smith','clerk','1980-12-17',7902,800,null,20);
Query OK, 1 row affected (0.30 sec)

mysql> insert into employeetable values(7499,'allen','salesman','1981-02-20',7698,1600,300,30);
Query OK, 1 row affected (0.21 sec)

mysql> insert into employeetable values(7521,'ward','salesman','1981-02-22',7698,1250,500,30);
Query OK, 1 row affected (0.12 sec)

mysql> insert into employeetable values(7566,'jones','manager','1981-04-02',7839,2975,null,20);
Query OK, 1 row affected (0.18 sec)

mysql> insert into employeetable values(7654,'martin','salesman','1981-09-28',7698,1250,1400,30);
Query OK, 1 row affected (0.18 sec)

mysql> insert into employeetable values(7698,'blake','manager','1981-05-01',7839,2850,null,30);
Query OK, 1 row affected (0.13 sec)

mysql> insert into employeetable values(7782,'clark','manager','1981-06-09',7839,2450,null,10);
Query OK, 1 row affected (0.13 sec)

mysql> insert into employeetable values(7788,'scott','analyst','1987-04-19',7566,3000,null,20);
Query OK, 1 row affected (0.14 sec)

mysql> insert into employeetable values(7839,'king','president','1981-11-17',null,5000,null,10);
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MySQL 8.0 Command Line Client - Unicode
mysql> insert into employeeetable values(7499,'allen','salesman','1981-02-20',7698,1600,300 ,30);
Query OK, 1 row affected (0.21 sec)

mysql> insert into employeeetable values(7521,'ward','salesman','1981-02-22',7698,1250,500 ,30);
Query OK, 1 row affected (0.12 sec)

mysql> insert into employeeetable values(7566,'jones','manager','1981-04-02',7839,2975,null ,20);
Query OK, 1 row affected (0.18 sec)

mysql> insert into employeeetable values(7654,'martin','salesman','1981-09-28',7698,1250,1400 ,30);
Query OK, 1 row affected (0.18 sec)

mysql> insert into employeeetable values(7698,'blake','manager','1981-05-01',7839,2850,null ,30);
Query OK, 1 row affected (0.13 sec)

mysql> insert into employeeetable values(7782,'clark','manager','1981-06-09',7839,2450,null ,10);
Query OK, 1 row affected (0.13 sec)

mysql> insert into employeeetable values(7788,'scott','analyst','1987-04-19',7566,3000,null ,20);
Query OK, 1 row affected (0.14 sec)

mysql> insert into employeeetable values(7839,'king','president','1981-11-17',null,5000,null ,10);
Query OK, 1 row affected (0.08 sec)

mysql> insert into employeeetable values(7844,'turner','salesman','1981-09-08',7698,1500,0 ,30);
Query OK, 1 row affected (0.11 sec)

mysql> insert into employeeetable values(7876,'adams','clerk','1987-05-23',7788,1100,null ,20);
Query OK, 1 row affected (0.20 sec)

mysql> insert into employeeetable values(7900,'james','clerk','1981-12-03',7698,950,null ,30);
Query OK, 1 row affected (0.11 sec)

mysql> insert into employeeetable values(7902,'ford','analyst','1981-12-03',7566,3000,null ,20);
Query OK, 1 row affected (0.21 sec)

mysql> insert into employeeetable values(7934,'miller','clerk','1982-01-23',7782,1300,null ,10);
Query OK, 1 row affected (0.15 sec)

mysql> select * from employeeetable;
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job      | hiredate | mgr  | sal  | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7369  | smith | clerk    | 1980-12-17 | 7902 | 800  | NULL | 20     |
| 7499  | allen | salesman | 1981-02-20 | 7698 | 1600 | 300  | 30     |
| 7521  | ward  | salesman | 1981-02-22 | 7698 | 1250 | 500  | 30     |
| 7566  | jones | manager  | 1981-04-02 | 7839 | 2975 | NULL | 20     |
| 7654  | martin | salesman | 1981-09-28 | 7698 | 1250 | 1400 | 30     |
| 7698  | blake | manager  | 1981-05-01 | 7839 | 2850 | NULL | 30     |
| 7782  | clark | manager  | 1981-06-09 | 7839 | 2450 | NULL | 10     |
| 7788  | scott | analyst  | 1987-04-19 | 7566 | 3000 | NULL | 20     |
| 7839  | king  | president | 1981-11-17 | NULL | 5000 | NULL | 10     |
| 7844  | turner | salesman | 1981-09-08 | 7698 | 1500 | 0    | 30     |
| 7876  | adams | clerk    | 1987-05-23 | 7788 | 1100 | NULL | 20     |
| 7900  | james | clerk    | 1981-12-03 | 7698 | 950  | NULL | 30     |
| 7902  | ford  | analyst  | 1981-12-03 | 7566 | 3000 | NULL | 20     |
| 7934  | miller | clerk    | 1982-01-23 | 7782 | 1300 | NULL | 10     |
+-----+-----+-----+-----+-----+-----+-----+-----+
14 rows in set (0.03 sec)

mysql> select * from employeeedata where job='manager' or job='president';
ERROR 1146 (42S02): Table 'studentdb.employeeedata' doesn't exist
mysql> select * from employeeetable where job='manager' or job='president';
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job      | hiredate | mgr  | sal  | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7566  | jones | manager  | 1981-04-02 | 7839 | 2975 | NULL | 20     |
| 7698  | blake | manager  | 1981-05-01 | 7839 | 2850 | NULL | 30     |
| 7782  | clark | manager  | 1981-06-09 | 7839 | 2450 | NULL | 10     |
| 7839  | king  | president | 1981-11-17 | NULL | 5000 | NULL | 10     |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select job from employeeetable where job='manger' and deptno!=30;
Empty set (0.04 sec)

mysql> select job from employeeetable where job='manager' and deptno!=30;
+-----+
| job |
+-----+
| manager |
| manager |
+-----+
2 rows in set (0.00 sec)

mysql> select * from employeeetable where job='manger' or job='clerk' and deptno=10;
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job      | hiredate | mgr  | sal  | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+

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MySQL 8.0 Command Line Client - Unicode
2 rows in set (0.00 sec)

mysql> select * from employeeetable where job='manger' or job='clerk' and deptno=10;
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job   | hiredate | mgr | sal | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7934 | miller | clerk | 1982-01-23 | 7782 | 1300 | NULL | 10      |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from employeeetable where job='manager' or job='clerk' and deptno=10;
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job   | hiredate | mgr | sal | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7566 | jones | manager | 1981-04-02 | 7839 | 2975 | NULL | 20      |
| 7698 | blake | manager | 1981-05-01 | 7839 | 2850 | NULL | 30      |
| 7782 | clark | manager | 1981-06-09 | 7839 | 2450 | NULL | 10      |
| 7934 | miller | clerk   | 1982-01-23 | 7782 | 1300 | NULL | 10      |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from employeeetable where job='manager' or 'clerk' and deptno=10;
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job   | hiredate | mgr | sal | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7566 | jones | manager | 1981-04-02 | 7839 | 2975 | NULL | 20      |
| 7698 | blake | manager | 1981-05-01 | 7839 | 2850 | NULL | 30      |
| 7782 | clark | manager | 1981-06-09 | 7839 | 2450 | NULL | 10      |
+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set, 1 warning (0.09 sec)

mysql> select * from employeeetable where deptno=10 and job in(select job where job='manager' or job='clerk');
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job   | hiredate | mgr | sal | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7782 | clark | manager | 1981-06-09 | 7839 | 2450 | NULL | 10      |
| 7934 | miller | clerk   | 1982-01-23 | 7782 | 1300 | NULL | 10      |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.11 sec)

mysql> select * from employeeetable where job='manager' and deptno!=30;
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job   | hiredate | mgr | sal | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7566 | jones | manager | 1981-04-02 | 7839 | 2975 | NULL | 20      |
| 7782 | clark | manager | 1981-06-09 | 7839 | 2450 | NULL | 10      |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from employeeetable where job='mangers and job in(select job where job='clerk' and deptno=20);
mysql> select * from employeeetable where job='mangers and job in(select job where job='clerk' and deptno=20);AC
mysql> select * from employeeetable where job='mangers and job in(select job from employeeetable where job='clerk' and deptno=20);
mysql> select * from employeeetable where job='mangers and employeeedata in(select employeeedata where job='clerk' and deptno=20);
mysql> select * from employeeetable where job='mangers and employeeedata in(select job where job='clerk' and deptno=20);
mysql> select * from employeeetable where deptno=20 and job='clerk' or job='manager';
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job   | hiredate | mgr | sal | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7369 | smith | clerk | 1980-12-17 | 7902 | 800  | NULL | 20      |
| 7566 | jones | manager | 1981-04-02 | 7839 | 2975 | NULL | 20      |
| 7698 | blake | manager | 1981-05-01 | 7839 | 2850 | NULL | 30      |
| 7782 | clark | manager | 1981-06-09 | 7839 | 2450 | NULL | 10      |
| 7876 | adams | clerk | 1987-05-23 | 7788 | 1100 | NULL | 20      |
+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> select enames from employeeetable where deptno=20 and job='manger' or job='clerks';
ERROR 1054 (42S22): Unknown column 'enames' in 'field list'
mysql> select enames from employeeetable where deptno=20 and job='manager' or job='clerks';
ERROR 1054 (42S22): Unknown column 'enames' in 'field list'
mysql> select ename from employeeetable where deptno=20 and job='manager' or job='clerks';
+-----+
| ename |
+-----+
| smith |
+-----+
```

```
MySQL 8.0 Command Line Client - Unicode
5 rows in set (0.00 sec)

mysql> select enames from employeetable where deptno=20 and job!='manger' or job!='clerks';
ERROR 1054 (42S22): Unknown column 'enames' in 'field list'
mysql> select enames from employeetable where deptno=20 and job!='manager' or job!='clerks';
ERROR 1054 (42S22): Unknown column 'enames' in 'field list'
mysql> select ename from employeetable where deptno=20 and job!='manager' or job!='clerks';
+-----+
| ename |
+-----+
| smith |
| allen |
| ward  |
| jones |
| martin |
| blake |
| clark |
| scott |
| king  |
| turner |
| adams |
| james |
| ford  |
| miller |
+-----+
14 rows in set (0.04 sec)

mysql> select ename from employeetable where deptno=20 and job!='manager' and job!='clerks';
+-----+
| ename |
+-----+
| smith |
| scott |
| adams |
| ford  |
+-----+
4 rows in set (0.00 sec)

mysql> select ename from employeetable where deptno=20 and job!='manager' and job!='clerk';
+-----+
| ename |
+-----+
| scott |
| ford  |
+-----+
2 rows in set (0.00 sec)

mysql> select ename from employeetable where sal>1200 and sal<1400;
+-----+
| ename |
+-----+

```

Type here to search

```
MySQL 8.0 Command Line Client - Unicode
2 rows in set (0.00 sec)

mysql> select ename from employeetable where sal>1200 and sal<1400;
+-----+
| ename |
+-----+
| ward  |
| martin |
| miller |
+-----+
3 rows in set (0.05 sec)

mysql> select ename from employeetable where 1200 <sal<1400;
+-----+
| ename |
+-----+
| smith |
| allen |
| ward  |
| jones |
| martin |
| blake |
| clark |
| scott |
| king  |
| turner |
| adams |
| james |
| ford  |
| miller |
+-----+
14 rows in set (0.00 sec)

mysql> select ename from employeetable where 1200 >sal<1400;
+-----+
| ename |
+-----+
| smith |
| allen |
| ward  |
| jones |
| martin |
| blake |
| clark |
| scott |
| king  |
| turner |
| adams |
| james |
| ford  |
+-----+

```

Type here to search

Windows taskbar showing search bar, taskbar icons (Edge, File Explorer, etc.), system tray (clock, weather, network, etc.).