



Server version: 8.0.44 MySQL Community Server - GPL

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

mysql> CREATE DATABASE train\_system;  
Query OK, 1 row affected (0.02 sec)

mysql> USE train\_system;  
Database changed

mysql> CREATE TABLE train\_tickets (  
-> ticket\_no INT PRIMARY KEY,  
-> passenger\_name VARCHAR(50),  
-> source VARCHAR(50),  
-> destination VARCHAR(50),  
-> age INT,  
-> travel\_date DATE,  
-> class VARCHAR(20),  
-> seat\_no VARCHAR(10)  
-> );  
Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO train\_tickets VALUES  
-> (101, 'G CHAITANYA', 'Chennai', 'Bangalore', 20, '2025-11-21', 'Sleeper', 'S5-22'),  
-> (102, 'T VISHWA', 'Chennai', 'Hyderabad', 21, '2025-11-22', 'AC 3-Tier', 'B2-15'),  
-> (103, 'SARAN', 'Bangalore', 'Chennai', 22, '2025-11-23', 'General', 'G1-56'),  
-> (104, 'GAMESH', 'Chennai', 'Delhi', 25, '2025-11-24', 'AC 2-Tier', 'A1-10');  
Query OK, 4 rows affected (0.02 sec)  
Records: 4 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM train\_tickets;

ticket_no	passenger_name	source	destination	age	travel_date	class	seat_no
101	G CHAITANYA	Chennai	Bangalore	20	2025-11-21	Sleeper	S5-22
102	T VISHWA	Chennai	Hyderabad	21	2025-11-22	AC 3-Tier	B2-15
103	SARAN	Bangalore	Chennai	22	2025-11-23	General	G1-56
104	GAMESH	Chennai	Delhi	25	2025-11-24	AC 2-Tier	A1-10

4 rows in set (0.00 sec)

mysql> SELECT passenger\_name, ticket\_no, destination  
-> FROM train\_tickets  
-> WHERE source = 'Chennai';

passenger_name	ticket_no	destination
G CHAITANYA	101	Bangalore
T VISHWA	102	Hyderabad
GAMESH	104	Delhi

3 rows in set (0.01 sec)

mysql> SELECT \* FROM train\_tickets  
-> WHERE travel\_date = '2025-11-22';

ticket_no	passenger_name	source	destination	age	travel_date	class	seat_no
102	T VISHWA	Chennai	Hyderabad	21	2025-11-22	AC 3-Tier	B2-15

1 row in set (0.01 sec)

mysql> SELECT passenger\_name, ticket\_no  
-> FROM train\_tickets  
-> WHERE destination = 'Bangalore';

passenger_name	ticket_no
G CHAITANYA	101

1 row in set (0.00 sec)

mysql> UPDATE train\_tickets  
-> SET class = 'AC Sleeper'  
-> WHERE ticket\_no = 101;

Query OK, 1 row affected (0.01 sec)  
Rows matched: 1 Changed: 1 Warnings: 0

mysql> DELETE FROM train\_tickets  
-> WHERE ticket\_no = 103;

Query OK, 1 row affected (0.01 sec)

mysql> SELECT \* FROM train\_tickets;

ticket_no	passenger_name	source	destination	age	travel_date	class	seat_no
101	G CHAITANYA	Chennai	Bangalore	20	2025-11-21	AC Sleeper	S5-22
102	T VISHWA	Chennai	Hyderabad	21	2025-11-22	AC 3-Tier	B2-15
104	GAMESH	Chennai	Delhi	25	2025-11-24	AC 2-Tier	A1-10

3 rows in set (0.00 sec)

MySQL 8.0 Command Line Cli

Enter password: \*\*\*\*\*  
Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 20  
Server version: 8.0.44 MySQL Community Server - GPL  
  
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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> CREATE DATABASE college\_admission;  
Query OK, 1 row affected (0.02 sec)  
  
mysql> USE college\_admission;  
Database changed  
mysql> CREATE TABLE admission\_form (  
-> app\_no INT PRIMARY KEY,  
-> student\_name VARCHAR(50),  
-> dob DATE,  
-> gender VARCHAR(10),  
-> dept\_pref VARCHAR(30),  
-> cutoff INT,  
-> phone BIGINT,  
-> email VARCHAR(50)  
-> );  
Query OK, 0 rows affected (0.05 sec)  
  
mysql> INSERT INTO admission\_form VALUES  
-> (1001, 'G CHAITANYA', '2005-03-20', 'Male', 'AI&DS', 92, 9876543210, 'chaitanya@gmail.com'),  
-> (1002, 'T VISHWA', '2005-02-11', 'Male', 'CSE', 88, 9876501234, 'vishwa@gmail.com'),  
-> (1003, 'SARAN', '2005-05-18', 'Male', 'ECE', 85, 9876512345, 'saran@gmail.com'),  
-> (1004, 'PRIYA', '2005-07-09', 'Female', 'IT', 94, 9876598765, 'priya@gmail.com');  
Query OK, 4 rows affected (0.01 sec)  
Records: 4 Duplicates: 0 Warnings: 0  
  
mysql> SELECT \* FROM admission\_form;  

app_no	student_name	dob	gender	dept_pref	cutoff	phone	email
1001	G CHAITANYA	2005-03-20	Male	AI&DS	92	9876543210	chaitanya@gmail.com
1002	T VISHWA	2005-02-11	Male	CSE	88	9876501234	vishwa@gmail.com
1003	SARAN	2005-05-18	Male	ECE	85	9876512345	saran@gmail.com
1004	PRIYA	2005-07-09	Female	IT	94	9876598765	priya@gmail.com

  
4 rows in set (0.00 sec)

```
mysql> SELECT student_name, dept_pref, cutoff
-> FROM admission_form
-> WHERE cutoff > 90;
```

student_name	dept_pref	cutoff
G CHAITANYA	AI&DS	92
PRIYA	IT	94

2 rows in set (0.00 sec)

```
mysql> SELECT student_name, cutoff
-> FROM admission_form
-> WHERE dept_pref = 'CSE';
```

student_name	cutoff
T VISHWA	88

1 row in set (0.00 sec)

```
mysql> SELECT student_name, cutoff, dept_pref
-> FROM admission_form
-> ORDER BY cutoff DESC;
```

student_name	cutoff	dept_pref
PRIYA	94	IT
G CHAITANYA	92	AI&DS
T VISHWA	88	CSE
SARAN	85	ECE

4 rows in set (0.01 sec)

```
mysql> UPDATE admission_form
-> SET dept_pref = 'CSE'
-> WHERE app_no = 1003;
```

Query OK, 1 row affected (0.01 sec)  
Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> UPDATE admission_form
-> SET dept_pref = 'CSE'
-> WHERE app_no = 1003;
```

Query OK, 0 rows affected (0.00 sec)  
Rows matched: 1 Changed: 0 Warnings: 0

```
mysql> DELETE FROM admission_form
-> WHERE app_no = 1002;
```

Query OK, 1 row affected (0.01 sec)

```
mysql> SELECT * FROM admission_form;
```

app_no	student_name	dob	gender	dept_pref	cutoff	phone	email
1001	G CHAITANYA	2005-03-20	Male	AI&DS	92	9876543210	chaitanya@gmail.com
1003	SARAN	2005-05-18	Male	CSE	85	9876512345	saran@gmail.com
1004	PRIYA	2005-07-09	Female	IT	94	9876598765	priya@gmail.com

3 rows in set (0.00 sec)