

```
mysql> show databases;
```

Database
customers
information_schema
mysql
performance_schema
ratnapravam
sakila
sys
world

```
8 rows in set (0.05 sec)
```

```
mysql> create database customer;
```

```
Query OK, 1 row affected (0.06 sec)
```

```
mysql> use customer;
```

```
Database changed
```

```
mysql> CREATE TABLE CUSTOMER (  
->     ID INT PRIMARY KEY,  
->     NAME VARCHAR(50),  
->     AGE INT,  
->     ADDRESS VARCHAR(100),  
->     SALARY DECIMAL(10, 2)  
-> );
```

```
Query OK, 0 rows affected (0.08 sec)
```

```
mysql> INSERT INTO CUSTOMER (ID, NAME, AGE, ADDRESS, SALARY) VALUES
```

```
-> (1, 'Ramesh', 32, 'Ahmedabad', 2000.00),  
-> (2, 'Khilan', 25, 'Delhi', 1500.00),  
-> (3, 'kaushik', 23, 'Kota', 2000.00),  
-> (4, 'Chaitali', 25, 'Mumbai', 6500.00),  
-> (5, 'Hardik', 27, 'Bhopal', 8500.00),  
-> (6, 'Komal', 22, 'MP', 4500.00),  
-> (7, 'Muffy', 24, 'Indore', 10000.00);
```

```
Query OK, 7 rows affected (0.01 sec)
```

```
Records: 7  Duplicates: 0  Warnings: 0
```

```
mysql> select * from customer;
```

ID	NAME	AGE	ADDRESS	SALARY
1	Ramesh	32	Ahmedabad	2000.00
2	Khilan	25	Delhi	1500.00
3	kaushik	23	Kota	2000.00
4	Chaitali	25	Mumbai	6500.00
5	Hardik	27	Bhopal	8500.00
6	Komal	22	MP	4500.00
7	Muffy	24	Indore	10000.00

```
7 rows in set (0.04 sec)
```

```
mysql> CREATE TABLE Orders (  
->     OID INT PRIMARY KEY,  
->     OrderDate DATETIME,  
->     ID INT,  
->     Amount DECIMAL(10, 2)  
-> );
```

```
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> INSERT INTO Orders (OID, DATE, ID, AMOUNT) VALUES
```

```
-> (102, '2009-10-08 00:00:00', 3, 3000),  
-> (103, '2009-10-08 00:00:00', 4, 6500),  
-> (104, '2009-10-08 00:00:00', 5, 8500),  
-> (105, '2009-10-08 00:00:00', 6, 4500),  
-> (106, '2009-10-08 00:00:00', 7, 10000);
```

```

-> (100, '2009-10-08 00:00:00', 3, 1500),
-> (101, '2009-11-20 00:00:00', 2, 1560),
-> (103, '2008-05-20 00:00:00', 4, 2060);
ERROR 1054 (42S22): Unknown column 'DATE' in 'field list'
mysql>

```

```

mysql> INSERT INTO Orders (OID, OrderDATE, ID, AMOUNT) VALUES
-> (102, '2009-10-08 00:00:00', 3, 3000),
-> (100, '2009-10-08 00:00:00', 3, 1500),
-> (101, '2009-11-20 00:00:00', 2, 1560),
-> (103, '2008-05-20 00:00:00', 4, 2060);
Query OK, 4 rows affected (0.00 sec)
Records: 4  Duplicates: 0  Warnings: 0

```

```

mysql> select * from orders
-> select * from orders;
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
'select * from orders' at line 2
mysql> select * from orders;

```

```

+-----+-----+-----+-----+
| OID | OrderDate          | ID  | Amount |
+-----+-----+-----+-----+
| 100 | 2009-10-08 00:00:00 | 3   | 1500.00 |
| 101 | 2009-11-20 00:00:00 | 2   | 1560.00 |
| 102 | 2009-10-08 00:00:00 | 3   | 3000.00 |
| 103 | 2008-05-20 00:00:00 | 4   | 2060.00 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

```

mysql> SELECT ID, NAME, AMOUNT, DATE
-> FROM CUSTOMERS
-> INNER JOIN ORDERS
-> S.ID = ORDERS.CUSTOMER_ID;
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 '.ID =
ORDERS.CUSTOMER_ID' at line 4

```

```

mysql> select id,name,amount,OrderDate from customer inner join orders on
customer.id = orders.customer_id;
ERROR 1052 (23000): Column 'id' in field list is ambiguous

```

```

mysql> SELECT
-> CUSTOMERS.ID,
-> CUSTOMERS.NAME,
-> ORDERS.AMOUNT,
-> ORDERS.ORDER_DATE
-> FROM
-> CUSTOMERS
-> INNER JOIN
-> ORDERS
-> ON
-> CUSTOMERS.ID = ORDERS.ID;
ERROR 1146 (42S02): Table 'customer.customers' doesn't exist

```

```

mysql> USE customer;
Database changed
mysql> SHOW TABLES;
+-----+
| Tables_in_customer |
+-----+
| customer            |
| orders              |
+-----+
2 rows in set (0.01 sec)

```

```

mysql> SELECT
-> c.ID,

```

```

-> c.NAME,
-> c.AGE,
-> c.ADDRESS,
-> c.SALARY,
-> o.OID,
-> o.OrderDate,
-> o.Amount
-> FROM
-> customer AS c
-> INNER JOIN
-> orders AS o
-> ON
-> c.ID = o.ID;

```

```

+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+
| ID | NAME      | AGE | ADDRESS | SALARY | OID | OrderDate           | Amount |
+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+
| 3 | kaushik   | 23  | Kota    | 2000.00 | 100 | 2009-10-08 00:00:00 | 1500.00 |
| 2 | Khilan    | 25  | Delhi   | 1500.00 | 101 | 2009-11-20 00:00:00 | 1560.00 |
| 3 | kaushik   | 23  | Kota    | 2000.00 | 102 | 2009-10-08 00:00:00 | 3000.00 |
| 4 | Chaitali  | 25  | Mumbai  | 6500.00 | 103 | 2008-05-20 00:00:00 | 2060.00 |
+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+
4 rows in set (0.00 sec)

```

```

mysql> SELECT customer.ID, customer.NAME, orders.OID, orders.Amount
-> FROM customer
-> INNER JOIN orders ON customer.ID = orders.ID;

```

```

+-----+-----+-----+-----+
| ID | NAME      | OID | Amount |
+-----+-----+-----+-----+
| 3 | kaushik   | 100 | 1500.00 |
| 2 | Khilan    | 101 | 1560.00 |
| 3 | kaushik   | 102 | 3000.00 |
| 4 | Chaitali  | 103 | 2060.00 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

```

mysql> SELECT customer.ID, customer.NAME, orders.OID, orders.Amount
-> FROM customer
-> LEFT JOIN orders ON customer.ID = orders.ID;

```

```

+-----+-----+-----+-----+
| ID | NAME      | OID | Amount |
+-----+-----+-----+-----+
| 1 | Ramesh    | NULL | NULL    |
| 2 | Khilan    | 101 | 1560.00 |
| 3 | kaushik   | 102 | 3000.00 |
| 3 | kaushik   | 100 | 1500.00 |
| 4 | Chaitali  | 103 | 2060.00 |
| 5 | Hardik    | NULL | NULL    |
| 6 | Komal     | NULL | NULL    |
| 7 | Muffy     | NULL | NULL    |
+-----+-----+-----+-----+
8 rows in set (0.01 sec)

```

```

mysql> SELECT customer.ID, customer.NAME, orders.OID, orders.Amount
-> FROM customer
-> RIGHT JOIN orders ON customer.ID = orders.ID;

```

```

+-----+-----+-----+-----+
| ID | NAME | OID | Amount |
+-----+-----+-----+-----+
| 3 | kaushik | 100 | 1500.00 |
| 2 | Khilan | 101 | 1560.00 |
| 3 | kaushik | 102 | 3000.00 |
| 4 | Chaitali | 103 | 2060.00 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

```

mysql> SELECT customer.ID, customer.NAME, orders.OID, orders.Amount
-> FROM customer
-> FULL OUTER JOIN orders ON customer.ID = orders.ID;
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 'OUTER
JOIN orders ON customer.ID = orders.ID' at line 3
mysql> SELECT a.ID AS CustomerID, a.NAME AS CustomerName, b.ID AS
RelatedCustomerID
-> FROM customer a, customer b
-> WHERE a.AGE = b.AGE AND a.ID <> b.ID;

```

```

+-----+-----+-----+
| CustomerID | CustomerName | RelatedCustomerID |
+-----+-----+-----+
| 4 | Chaitali | 2 |
| 2 | Khilan | 4 |
+-----+-----+-----+
2 rows in set (0.01 sec)

```

```

mysql> SELECT customer.ID, customer.NAME, orders.OID, orders.Amount
-> FROM customer, orders;

```

```

+-----+-----+-----+-----+
| ID | NAME | OID | Amount |
+-----+-----+-----+-----+
| 1 | Ramesh | 103 | 2060.00 |
| 1 | Ramesh | 102 | 3000.00 |
| 1 | Ramesh | 101 | 1560.00 |
| 1 | Ramesh | 100 | 1500.00 |
| 2 | Khilan | 103 | 2060.00 |
| 2 | Khilan | 102 | 3000.00 |
| 2 | Khilan | 101 | 1560.00 |
| 2 | Khilan | 100 | 1500.00 |
| 3 | kaushik | 103 | 2060.00 |
| 3 | kaushik | 102 | 3000.00 |
| 3 | kaushik | 101 | 1560.00 |
| 3 | kaushik | 100 | 1500.00 |
| 4 | Chaitali | 103 | 2060.00 |
| 4 | Chaitali | 102 | 3000.00 |
| 4 | Chaitali | 101 | 1560.00 |
| 4 | Chaitali | 100 | 1500.00 |
| 5 | Hardik | 103 | 2060.00 |
| 5 | Hardik | 102 | 3000.00 |
| 5 | Hardik | 101 | 1560.00 |
| 5 | Hardik | 100 | 1500.00 |
| 6 | Komal | 103 | 2060.00 |
| 6 | Komal | 102 | 3000.00 |
| 6 | Komal | 101 | 1560.00 |
| 6 | Komal | 100 | 1500.00 |
| 7 | Muffy | 103 | 2060.00 |
| 7 | Muffy | 102 | 3000.00 |
| 7 | Muffy | 101 | 1560.00 |
| 7 | Muffy | 100 | 1500.00 |
+-----+-----+-----+-----+
28 rows in set (0.00 sec)

```

```
mysql> SELECT DATE_ADD('1998-01-02', INTERVAL 31 DAY);
```

```
+-----+
| DATE_ADD('1998-01-02', INTERVAL 31 DAY) |
+-----+
| 1998-02-02                               |
+-----+
```

```
1 row in set (0.01 sec)
```

```
mysql> +-----+
```

```
-> | DATE_ADD('1998-01-02', INTERVAL 31 DAY)
```

```
-> SELECT DATE_ADD('1998-01-02', INTERVAL 31 DAY);
```

```
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
```

```
'+-----+
```

```
| DATE_ADD('1998-01' at line 1
```

```
mysql> +-----+
```

```
-> | DATE_ADD('1998-01-02', INTERVAL 31 DAY);
```

```
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
```

```
'+-----+
```

```
| DATE_ADD('1998-01' at line 1
```

```
mysql> SELECT ADDTIME('1997-12-31 23:59:59.999999', '1 1:1:1.000002');
```

```
+-----+
```

```
| ADDTIME('1997-12-31 23:59:59.999999', '1 1:1:1.000002') |
```

```
+-----+
```

```
| 1998-01-02 01:01:01.000001                               |
```

```
+-----+
```

```
1 row in set (0.01 sec)
```

```
mysql> SELECT CONVERT_TZ('2004-01-01 12:00:00', 'GMT', 'MET');
```

```
+-----+
```

```
| CONVERT_TZ('2004-01-01 12:00:00', 'GMT', 'MET') |
```

```
+-----+
```

```
| NULL                                                |
```

```
+-----+
```

```
1 row in set (0.01 sec)
```

```
mysql> SELECT CURDATE();
```

```
+-----+
```

```
| CURDATE() |
```

```
+-----+
```

```
| 2025-04-09 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> SELECT CURDATE() + 0;
```

```
+-----+
```

```
| CURDATE() + 0 |
```

```
+-----+
```

```
| 20250409 |
```

```
+-----+
```

```
1 row in set (0.01 sec)
```

```
mysql> SELECT CURTIME();
```

```
+-----+
```

```
| CURTIME() |
```

```
+-----+
```

```
| 01:31:57 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> SELECT DATE('2003-12-31 01:02:03');
```

```
+-----+
```

```
| DATE('2003-12-31 01:02:03') |
```

```
+-----+
| 2003-12-31 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> SELECT DATEDIFF('1997-12-31 23:59:59','1997-12-30');
+-----+
| DATEDIFF('1997-12-31 23:59:59','1997-12-30') |
+-----+
| 1 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> SELECT DATE_ADD('1997-12-31 23:59:59',
-> -> INTERVAL '1:1' MINUTE_SECOND);
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 '->
INTERVAL '1:1' MINUTE_SECOND)' at line 2
mysql> SELECT DATE_FORMAT('1997-10-04 22:23:00', '%W %M %Y');
+-----+
| DATE_FORMAT('1997-10-04 22:23:00', '%W %M %Y') |
+-----+
| Saturday October 1997 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> SELECT DAYNAME('2006-02-06');
+-----+
| DAYNAME('2006-02-06') |
+-----+
| Monday |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT DAYOFMONTH('1998-02-03');
+-----+
| DAYOFMONTH('1998-02-03') |
+-----+
| 3 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> SELECT DAYOFYEAR('2056-02-03');
+-----+
| DAYOFYEAR('2056-02-03') |
+-----+
| 34 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> SELECT EXTRACT(YEAR FROM '2076-07-02');
+-----+
| EXTRACT(YEAR FROM '2076-07-02') |
+-----+
| 2076 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT FROM_DAYS(72966999);
+-----+
| FROM_DAYS(72966999) |
+-----+
| 0000-00-00 |
+-----+
```

1 row in set (0.01 sec)

```
mysql> SELECT FROM_UNIXTIME(875996580);
```

FROM_UNIXTIME(875996580)
1997-10-05 01:53:00

1 row in set (0.00 sec)

```
mysql> SELECT HOUR('10:05:03');
```

HOUR('10:05:03')
10

1 row in set (0.01 sec)

```
mysql> SELECT LAST_DAY('2003-02-05');
```

LAST_DAY('2003-02-05')
2003-02-28

1 row in set (0.01 sec)

```
mysql> SELECT MAKEDATE(2001,31), MAKEDATE(2001,32);
```

MAKEDATE(2001,31)	MAKEDATE(2001,32)
2001-01-31	2001-02-01

1 row in set (0.00 sec)

```
mysql> SELECT MAKETIME(12,15,30);
```

MAKETIME(12,15,30)
12:15:30

1 row in set (0.00 sec)

```
mysql> SELECT MINUTE('98-02-03 10:05:03');
```

MINUTE('98-02-03 10:05:03')
5

1 row in set (0.00 sec)

```
mysql> SELECT PERIOD_ADD(9801,2);
```

PERIOD_ADD(9801,2)
199803

1 row in set (0.01 sec)

```
mysql> SELECT QUARTER('98-04-01');
```

QUARTER('98-04-01')
2

1 row in set (0.00 sec)

```
mysql> SELECT STR_TO_DATE('04/31/2004', '%m/%d/%Y');
```

STR_TO_DATE('04/31/2004', '%m/%d/%Y')
NULL

1 row in set, 1 warning (0.01 sec)

```
mysql> SELECT DATE_SUB('1998-01-02', INTERVAL 31 DAY);
```

DATE_SUB('1998-01-02', INTERVAL 31 DAY)
1997-12-02

1 row in set (0.00 sec)

```
mysql> SELECT SUBTIME('1997-12-31 23:59:59.999999',  
-> -> '1 1:1:1.000002');
```

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 '-> '1 1:1:1.000002')' at line 2

```
mysql> SELECT SYSDATE();
```

SYSDATE()
2025-04-09 01:37:21

1 row in set (0.00 sec)

```
mysql> SELECT TIME('2003-12-31 01:02:03');
```

TIME('2003-12-31 01:02:03')
01:02:03

1 row in set (0.00 sec)

```
mysql> SELECT TIMESTAMPADD(MINUTE,1,'2003-01-02');
```

TIMESTAMPADD(MINUTE,1,'2003-01-02')
2003-01-02 00:01:00

1 row in set (0.00 sec)

```
mysql> SELECT TIMESTAMPDIFF(MONTH,'2003-02-01','2003-05-01');
```

TIMESTAMPDIFF(MONTH,'2003-02-01','2003-05-01')
3

1 row in set (0.00 sec)

```
mysql> SELECT TO_DAYS(950501);
```

TO_DAYS(950501)
728779

1 row in set (0.00 sec)

```
mysql> SELECT UTC_TIME(), UTC_TIME() + 0;
```



```
+-----+-----+
| UTC_TIME() | UTC_TIME() + 0 |
+-----+-----+
| 20:08:12   |          200812 |
+-----+-----+
1 row in set (0.00 sec)
```

mysql>