

Enter password: \*\*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 23

Server version: 8.0.43 MySQL Community Server - GPL

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

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

```
mysql> CREATE DATABASE TestDB;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> USE TestDB;
```

Database changed

```
mysql> --SQL OPERATORS
```

```
-> -- ARITHMETIC OPERATORS
```

```
-> SELECT select 10+ 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 '--SQL OPERATORS

SELECT select 10+ 20' at line 1

```
mysql> select 10+20;
```

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

```
| 10+20 |
```

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

```
|    30 |
```

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

1 row in set (0.00 sec)

```
mysql> select 10*;
```

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 10*20;
```

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

```
| 10*20 |
```

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

```
|   200 |
```

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

1 row in set (0.00 sec)

```
mysql> select 10/5;
```

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

```
| 10/5   |
```

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

```
| 2.0000 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select 12%5;
+-----+
| 12%5 |
+-----+
| 2 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> CREATE TABLE
-> CREATE TABLE CUSTOMERS(
-> ID INT NOT NULL PRIMARY KEY,
-> NAME VARCHAR(40),
-> AGE INT,
-> ADDRESS VARCHAR(60),
-> SALARY INT
-> );
```

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 NOT NULL PRIMARY KEY, NAME VARCHAR(40), AGE INT, ' at line 2

```
mysql> CREATE TABLE CUSTOMERS (
-> ID INT NOT NULL PRIMARY KEY,
-> NAME VARCHAR(40),
-> AGE INT,
-> ADDRESS VARCHAR(60),
-> SALARY INT
-> );
```

Query OK, 0 rows affected (0.07 sec)

```
mysql> DESC CUSTOMERS;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ID     | int           | NO   | PRI | NULL    |       |
| NAME   | varchar(40)   | YES  |     | NULL    |       |
| AGE    | int           | YES  |     | NULL    |       |
| ADDRESS | varchar(60)   | YES  |     | NULL    |       |
| SALARY | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)
```

```
mysql> ADDING VALUES FOR ALL THE COLUMNS
-> INSERT INTO CUSTOMERS
```

```

-> VALUES(1, 'SIMRAN', 35, 'Hyderabad', 2000),
->         (2, 'sana', 36, 'Delhi', 1500),
->         (3, 'Nahid', 37, 'Mumbai', 2000),
->         (4, 'Neha', 38, 'up', 6500),
->         (5, 'Reshmi', 39, 'Ap', 8500),
->         (6, 'Simi', 40, 'Us', 4500),
->         (7, 'Sam', 41, 'Uk', 10000);

```

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 'ADDING VALUES FOR ALL THE COLUMNS

INSERT INTO CUSTOMERS

VALUES(1, 'SIMRAN', 35, 'Hy' at line 1

mysql> INSERT INTO CUSTOMERS

```

-> VALUES
-> (1, 'SIMRAN', 35, 'Hyderabad', 2000),
-> (2, 'Sana', 36, 'Delhi', 1500),
-> (3, 'Nahid', 37, 'Mumbai', 2000),
-> (4, 'Neha', 38, 'UP', 6500),
-> (5, 'Reshmi', 39, 'AP', 8500),
-> (6, 'Simi', 40, 'US', 4500),
-> (7, 'Sam', 41, 'UK', 10000);

```

Query OK, 7 rows affected (0.01 sec)

Records: 7 Duplicates: 0 Warnings: 0

mysql> select \* from customers;

ID	NAME	AGE	ADDRESS	SALARY
1	SIMRAN	35	Hyderabad	2000
2	Sana	36	Delhi	1500
3	Nahid	37	Mumbai	2000
4	Neha	38	UP	6500
5	Reshmi	39	AP	8500
6	Simi	40	US	4500
7	Sam	41	UK	10000

7 rows in set (0.00 sec)

mysql> select \* from customer where salary > 5000;

ERROR 1146 (42S02): Table 'testdb.customer' doesn't exist

mysql> select \* from customer where salary > 5000; -- it display all the records where the salary is greater

ERROR 1146 (42S02): Table 'testdb.customer' doesn't exist

mysql> CREATE TABLE CUSTOMERS (

```

->     ID INT NOT NULL PRIMARY KEY,
->     NAME VARCHAR(40),
->     AGE INT,
->     ADDRESS VARCHAR(60),
->     SALARY INT
-> );

```

```
ERROR 1050 (42S01): Table 'customers' already exists
mysql> SELECT * FROM customer WHERE salary > 5000;
ERROR 1146 (42S02): Table 'testdb.customer' doesn't exist
mysql> SELECT * FROM CUSTOMERS WHERE SALARY > 5000;
```

```
+-----+-----+-----+-----+
| ID | NAME  | AGE | ADDRESS | SALARY |
+-----+-----+-----+-----+
| 4 | Neha  | 38 | UP      | 6500   |
| 5 | Reshmi | 39 | AP      | 8500   |
| 7 | Sam   | 41 | UK      | 10000  |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM CUSTOMER WHERE SALARY !=2000;
ERROR 1146 (42S02): Table 'testdb.customer' doesn't exist
mysql> SELECT * FROM CUSTOMERS WHERE SALARY !=2000;
```

```
+-----+-----+-----+-----+
| ID | NAME  | AGE | ADDRESS | SALARY |
+-----+-----+-----+-----+
| 2 | Sana  | 36 | Delhi   | 1500   |
| 4 | Neha  | 38 | UP      | 6500   |
| 5 | Reshmi | 39 | AP      | 8500   |
| 6 | Simi  | 40 | US      | 4500   |
| 7 | Sam   | 41 | UK      | 10000  |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM CUSTOMERS WHERE SALARY <> 2000;
```

```
+-----+-----+-----+-----+
| ID | NAME  | AGE | ADDRESS | SALARY |
+-----+-----+-----+-----+
| 2 | Sana  | 36 | Delhi   | 1500   |
| 4 | Neha  | 38 | UP      | 6500   |
| 5 | Reshmi | 39 | AP      | 8500   |
| 6 | Simi  | 40 | US      | 4500   |
| 7 | Sam   | 41 | UK      | 10000  |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM CUSTOMERS WHERE SALARY >=6500;
```

```
+-----+-----+-----+-----+
| ID | NAME  | AGE | ADDRESS | SALARY |
+-----+-----+-----+-----+
| 4 | Neha  | 38 | UP      | 6500   |
| 5 | Reshmi | 39 | AP      | 8500   |
| 7 | Sam   | 41 | UK      | 10000  |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM CUSTOMERS WHERE AGE >=25 AND SALARY >=6500;
```

ID	NAME	AGE	ADDRESS	SALARY
4	Neha	38	UP	6500
5	Reshmi	39	AP	8500
7	Sam	41	UK	10000

3 rows in set (0.00 sec)

```
mysql> SELECT * FROM CUSTOMERS WHERE AGE>=25 OR SALARY >=6500;
```

ID	NAME	AGE	ADDRESS	SALARY
1	SIMRAN	35	Hyderabad	2000
2	Sana	36	Delhi	1500
3	Nahid	37	Mumbai	2000
4	Neha	38	UP	6500
5	Reshmi	39	AP	8500
6	Simi	40	US	4500
7	Sam	41	UK	10000

7 rows in set (0.00 sec)

```
mysql> SELECT * FROM CUSTOMERS WHERE AGE IS NOT NULL;
```

ID	NAME	AGE	ADDRESS	SALARY
1	SIMRAN	35	Hyderabad	2000
2	Sana	36	Delhi	1500
3	Nahid	37	Mumbai	2000
4	Neha	38	UP	6500
5	Reshmi	39	AP	8500
6	Simi	40	US	4500
7	Sam	41	UK	10000

7 rows in set (0.00 sec)

```
mysql> SELECT * FROM CUSTOMERS WHERE NAME LIKE '%K';
```

Empty set (0.00 sec)

```
mysql> SELECT * FROM CUSTOMERS WHERE NAME LIKE '%A'; -- display the name with 'a'
```

ID	NAME	AGE	ADDRESS	SALARY
2	Sana	36	Delhi	1500
4	Neha	38	UP	6500

2 rows in set (0.00 sec)

```
mysql> SELECT * FROM CUSTOMERS WHERE AGE IN(40,40);
```

```

+-----+-----+-----+-----+-----+
| ID | NAME | AGE | ADDRESS | SALARY |
+-----+-----+-----+-----+-----+
| 6 | Simi | 40 | US | 4500 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

```

```
mysql> SELECT * FROM CUSTOMERS WHERE AGE BETWEEN 35 AND 40;
```

```

+-----+-----+-----+-----+-----+
| ID | NAME | AGE | ADDRESS | SALARY |
+-----+-----+-----+-----+-----+
| 1 | SIMRAN | 35 | Hyderabad | 2000 |
| 2 | Sana | 36 | Delhi | 1500 |
| 3 | Nahid | 37 | Mumbai | 2000 |
| 4 | Neha | 38 | UP | 6500 |
| 5 | Reshmi | 39 | AP | 8500 |
| 6 | Simi | 40 | US | 4500 |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

```

```
mysql> SELECT AGE FROM CUSTOMERS
```

```
-> WHERE EXISTS(SELECT AGE FROM CUSTOMERS WHERE SALARY > 4500);
```

```

+-----+
| AGE |
+-----+
| 35 |
| 36 |
| 37 |
| 38 |
| 39 |
| 40 |
| 41 |
+-----+

```

```
7 rows in set (0.01 sec)
```

```
mysql> SELECT AGE FROM CUSTOMERS
```

```
-> SLECT AGE FROM CUSTOMERS WHERE SALARY>6500;
```

```
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 'AGE FROM CUSTOMERS WHERE SALARY>6500' at line 2
```

```
mysql> SELECT * FROM CUSTOMERS
```

```
-> WHERE AGE>ALL(SELECT AGE FROM CUSTOMERS WHERE SALARY > 6500);
```

```
Empty set (0.00 sec)
```

```
mysql> SELECT * FROM CUSTOMERS
```

```
-> WHERE AGE > ANT (SELECT AGE FROM CUSTOMERS WHERE SALARY >2000);
```

```
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 AGE FROM CUSTOMERS WHERE SALARY >2000)' at line 2
```

```
mysql> SELECT * FROM CUSTOMERS
```

-> WHERE AGE > ANY (SELECT AGE FROM CUSTOMERS WHERE SALARY >2000);

```
+-----+-----+-----+-----+
| ID | NAME | AGE | ADDRESS | SALARY |
+-----+-----+-----+-----+
| 5 | Reshmi | 39 | AP | 8500 |
| 6 | Simi | 40 | US | 4500 |
| 7 | Sam | 41 | UK | 10000 |
+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

mysql> SELECT \* FROM CUSTOMERS;

```
+-----+-----+-----+-----+
| ID | NAME | AGE | ADDRESS | SALARY |
+-----+-----+-----+-----+
| 1 | SIMRAN | 35 | Hyderabad | 2000 |
| 2 | Sana | 36 | Delhi | 1500 |
| 3 | Nahid | 37 | Mumbai | 2000 |
| 4 | Neha | 38 | UP | 6500 |
| 5 | Reshmi | 39 | AP | 8500 |
| 6 | Simi | 40 | US | 4500 |
| 7 | Sam | 41 | UK | 10000 |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

mysql> SELECT \* FROM CUSTOMERS WHERE SALARY=6500;

```
+-----+-----+-----+-----+
| ID | NAME | AGE | ADDRESS | SALARY |
+-----+-----+-----+-----+
| 4 | Neha | 38 | UP | 6500 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

mysql> SELECT numerical expression as OPERATION NAME

-> [FROM TABLE NAME

-> WHERE CONDITION];

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 'as OPERATION NAME

[FROM TABLE NAME

WHERE CONDITION]' at line 1

mysql> SELECT numerical\_expression as OPERATION\_NAME

-> [FROM table\_name

-> WHERE CONDITION] ;

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 '[FROM table\_name

WHERE CONDITION]' at line 2

mysql> SELECT (15+6)

-> SELECT (15+6);

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 (15+6)' at line 2

```
mysql> SELECT 15 + 6;
```

```
+-----+
| 15 + 6 |
```

```
+-----+
|      21 |
```

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

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

```
mysql> SELECT COUNT(*) AS "RECORDS" FROM CUSTOMERS;
```

```
+-----+
| RECORDS |
```

```
+-----+
|        7 |
```

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

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

```
mysql> SELECT CURRENT_TIMESTAMP;
```

```
+-----+
| CURRENT_TIMESTAMP |
```

```
+-----+
| 2025-09-09 11:27:14 |
```

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

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

```
mysql> SELECT GETDATE();;
```

```
ERROR 1305 (42000): FUNCTION testdb.GETDATE does not exist
```

```
ERROR:
```

```
No query specified
```

```
mysql> SELECT GETDATA;
```

```
ERROR 1054 (42S22): Unknown column 'GETDATA' in 'field list'
```

```
mysql> SELECT column_name FROM table_name;
```

```
ERROR 1146 (42S02): Table 'testdb.table_name' doesn't exist
```

```
mysql> SELECT 'GETDATA';          -- displays the word GETDATA
```

```
+-----+
| GETDATA |
```

```
+-----+
| GETDATA |
```

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

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

```
mysql> SELECT 123;                -- displays the number 123
```

```
+-----+
| 123 |
```

```
+-----+
| 123 |
```

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

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



```
mysql> CREATE DATABASE DatabaseName;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> CREATE DATABASE testDB;
ERROR 1007 (HY000): Can't create database 'testdb'; database exists
mysql> USE testDB;
Database changed
mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| databasename |
| information_schema |
| mydb |
| mysql |
| nit |
| performance_schema |
| sys |
| testdb |
+-----+
8 rows in set (0.00 sec)
```

```
mysql> DROP DATABASE testDB;
Query OK, 1 row affected (0.04 sec)
```

```
mysql> CREATE DATABASE testDB;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> USE testDB;
Database changed
mysql> CREATE DATABASE testDB;
ERROR 1007 (HY000): Can't create database 'testdb'; database exists
mysql> CREATE DATABASE testdb;
ERROR 1007 (HY000): Can't create database 'testdb'; database exists
mysql> USE testdb;
Database changed
mysql> SHOW TABLES;
Empty set (0.01 sec)
```

```
mysql> SELECT * FROM CUSTOMERS;
ERROR 1146 (42S02): Table 'testdb.customers' doesn't exist
mysql> CREATE DATABASE testdb;
ERROR 1007 (HY000): Can't create database 'testdb'; database exists
mysql> CREATE DATABASE testDB;
ERROR 1007 (HY000): Can't create database 'testdb'; database exists
mysql> create database testdb;
ERROR 1007 (HY000): Can't create database 'testdb'; database exists
mysql> SHOE DATABASES;
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 'SHOE DATABASES' at line 1

```
mysql> SHOW DATABASES;
```

Database
databasename
information_schema
mydb
mysql
nit
performance_schema
sys
testdb

8 rows in set (0.00 sec)

```
mysql> DROP DATABASE testDB;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> in the list od databases as following:SHOW DATABASES;
```

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 'in the list od databases as following:SHOW DATABASES' at line 1

```
mysql> SHOW DATABASES;
```

Database
databasename
information_schema
mydb
mysql
nit
performance_schema
sys

7 rows in set (0.00 sec)

```
mysql> USE DatabaseName;
```

Database changed

```
mysql> SHOW DATABASES;
```

Database
databasename
information_schema
mydb
mysql
nit
performance_schema

```
| sys |
+-----+
7 rows in set (0.00 sec)
```

```
mysql> USE AMROOD;
ERROR 1049 (42000): Unknown database 'amrood'
```

```
mysql> CREATE TABLE table_name(
->     column1 datatype,
->     column2 datatype,
->     column3 datatype,
->     .....
->     columnN datatype,
->     PRIMARY KEY(one or more columns)
-> );
```

```
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 'datatype,
column2 datatype,
column3 datatype,
.....
columnN datatype,' at line 2
```

```
mysql> CREATE TABLE SALARY AS
-> SELECT ID, SALARY
-> FROM CUSTOMERS;
```

```
ERROR 1146 (42S02): Table 'databasename.customers' doesn't exist
```

```
mysql> USE testdb;
ERROR 1049 (42000): Unknown database 'testdb'
mysql> SHOW DATABASES;
```

```
+-----+
| Database |
+-----+
| databasename |
| information_schema |
| mydb |
| mysql |
| nit |
| performance_schema |
| sys |
+-----+
7 rows in set (0.00 sec)
```

```
mysql> USE TestDB;
ERROR 1049 (42000): Unknown database 'testdb'
mysql> CREATE DATABASE TestDB;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> USE TestDB;
Database changed
mysql> CREATE TABLE SALARY AS
-> SELECT ID, SALARY
-> FROM CUSTOMERS;
```

ERROR 1146 (42S02): Table 'testdb.customers' doesn't exist

mysql> use testdb;

Database changed

mysql> use databasename;

Database changed

mysql> show databases;

Database
databasename
information_schema
mydb
mysql
nit
performance_schema
sys
testdb

8 rows in set (0.00 sec)

mysql> use nit;

Database changed

mysql> creat table salary as

-> select id,salary

-> from customers;

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 'creat table salary as

select id,salary

from customers' at line 1

mysql> CREATE TABLE SALARY AS

-> SELECT ID, SALARY

-> FROM CUSTOMERS;

ERROR 1146 (42S02): Table 'nit.customers' doesn't exist

mysql> SHOW DATABASES;

Database
databasename
information_schema
mydb
mysql
nit
performance_schema
sys
testdb

8 rows in set (0.00 sec)

mysql> USE TestDB;

Database changed  
mysql> SHOW TABLES;  
Empty set (0.00 sec)

mysql> CREATE TABLE SALARY AS  
-> SELECT ID, SALARY  
-> FROM CUSTOMERS;  
ERROR 1146 (42S02): Table 'testdb.customers' doesn't exist  
mysql> CREATE DATABASE IF NOT EXISTS testdb;  
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> USE testdb;  
Database changed  
mysql> CREATE TABLE CUSTOMERS (  
-> ID INT NOT NULL PRIMARY KEY,  
-> NAME VARCHAR(40),  
-> AGE INT,  
-> ADDRESS VARCHAR(60),  
-> SALARY INT  
-> );  
Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO CUSTOMERS VALUES  
-> (1, 'SIMRAN', 35, 'Hyderabad', 2000),  
-> (2, 'Sana', 36, 'Delhi', 1500),  
-> (3, 'Nahid', 37, 'Mumbai', 2000),  
-> (4, 'Neha', 38, 'UP', 6500),  
-> (5, 'Reshmi', 39, 'AP', 8500),  
-> (6, 'Simi', 40, 'US', 4500),  
-> (7, 'Sam', 41, 'UK', 10000);  
Query OK, 7 rows affected (0.01 sec)  
Records: 7 Duplicates: 0 Warnings: 0

mysql> SHOW TABLES;  
+-----+  
| Tables\_in\_testdb |  
+-----+  
| customers |  
+-----+  
1 row in set (0.00 sec)

mysql> SELECT \* FROM CUSTOMERS;  
+-----+-----+-----+-----+-----+  
| ID | NAME | AGE | ADDRESS | SALARY |  
+-----+-----+-----+-----+-----+  
1	SIMRAN	35	Hyderabad	2000
2	Sana	36	Delhi	1500
3	Nahid	37	Mumbai	2000
4	Neha	38	UP	6500
5	Reshmi	39	AP	8500

6	Simi	40	US	4500
7	Sam	41	UK	10000

7 rows in set (0.00 sec)

```
mysql> CREATE TABLE SALARY AS
-> SELECT ID, SALARY
-> FROM CUSTOMERS;
Query OK, 7 rows affected (0.06 sec)
Records: 7 Duplicates: 0 Warnings: 0
```

```
mysql> CREATE TABLE SALARY AS
-> SELECT ID,SALARY
-> FROM CUSTOMERS;
ERROR 1050 (42S01): Table 'SALARY' already exists
mysql> SHOW databases;
```

Database
databasename
information_schema
mydb
mysql
nit
performance_schema
sys
testdb

8 rows in set (0.00 sec)

```
mysql> DESC CUSTOMERS;
```

Field	Type	Null	Key	Default	Extra
ID	int	NO	PRI	NULL	
NAME	varchar(40)	YES		NULL	
AGE	int	YES		NULL	
ADDRESS	varchar(60)	YES		NULL	
SALARY	int	YES		NULL	

5 rows in set (0.00 sec)

```
mysql> DROP TABLE CUSTOMERS;
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> DESC CUSTOMERS;
ERROR 1146 (42S02): Table 'testdb.customers' doesn't exist
mysql> SELECT * FROM CUSTOMERS;
ERROR 1146 (42S02): Table 'testdb.customers' doesn't exist
mysql> SELECT ID, NAME,SALARY FROM CUSTOMERS;
```

```

ERROR 1146 (42S02): Table 'testdb.customers' doesn't exist
mysql> USE TESTDB
Database changed
mysql> SELECT ID,NAME,SALARY FROM CUSTOMERS;
ERROR 1146 (42S02): Table 'testdb.customers' doesn't exist
mysql> CREATE DATABASE IF NOT EXISTS testdb;
Query OK, 1 row affected, 1 warning (0.01 sec)

```

```

mysql> USE testdb;
Database changed
mysql> CREATE TABLE CUSTOMERS (
  ->     ID INT NOT NULL PRIMARY KEY,
  ->     NAME VARCHAR(40),
  ->     AGE INT,
  ->     ADDRESS VARCHAR(60),
  ->     SALARY INT
  -> );
Query OK, 0 rows affected (0.05 sec)

```

```

mysql> INSERT INTO CUSTOMERS VALUES
  -> (1,'SIMRAN',35,'Hyderabad',2000),
  -> (2,'Sana',36,'Delhi',1500),
  -> (3,'Nahid',37,'Mumbai',2000),
  -> (4,'Neha',38,'UP',6500),
  -> (5,'Reshmi',39,'AP',8500),
  -> (6,'Simi',40,'US',4500),
  -> (7,'Sam',41,'UK',10000);
Query OK, 7 rows affected (0.01 sec)
Records: 7  Duplicates: 0  Warnings: 0

```

```

mysql> SHOW TABLES;
+-----+
| Tables_in_testdb |
+-----+
| customers         |
| salary            |
+-----+
2 rows in set (0.00 sec)

```

```

mysql> SELECT * FROM CUSTOMERS;
+----+-----+-----+-----+-----+
| ID | NAME  | AGE  | ADDRESS | SALARY |
+----+-----+-----+-----+-----+
| 1  | SIMRAN | 35   | Hyderabad | 2000 |
| 2  | Sana   | 36   | Delhi    | 1500 |
| 3  | Nahid  | 37   | Mumbai   | 2000 |
| 4  | Neha   | 38   | UP       | 6500 |
| 5  | Reshmi | 39   | AP       | 8500 |
| 6  | Simi   | 40   | US       | 4500 |
| 7  | Sam    | 41   | UK       | 10000 |
+----+-----+-----+-----+-----+

```

```
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE SALARY AS
-> SELECT ID, SALARY
-> FROM CUSTOMERS;
ERROR 1050 (42S01): Table 'SALARY' already exists
mysql> SHOW TABLES;
```

```
+-----+
| Tables_in_testdb |
+-----+
| customers        |
| salary           |
+-----+
2 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM SALARY;
```

```
+-----+-----+
| ID | SALARY |
+-----+-----+
| 1  | 2000   |
| 2  | 1500   |
| 3  | 2000   |
| 4  | 6500   |
| 5  | 8500   |
| 6  | 4500   |
| 7  | 10000  |
+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> SQL> CREATE TABLE CUSTOMERS(
-> ID INT NOT NULL,
-> NAME VARCHAR (20) NOT NULL,
-> AGE INT NOT NULL,
-> ADDRESS CHAR (25) ,
-> SALARY DECIMAL (18, 2),
-> PRIMARY KEY (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 'SQL> CREATE TABLE CUSTOMERS(

```
  ID INT NOT NULL,
  NAME VARCHA' at line 1
mysql> DESC CUSTOMERS;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ID    | int           | NO   | PRI | NULL    |       |
| NAME  | varchar(40)   | YES  |     | NULL    |       |
| AGE   | int           | YES  |     | NULL    |       |
```



ADDRESS	varchar(60)	YES		NULL	
SALARY	int	YES		NULL	

5 rows in set (0.00 sec)

```
mysql> DROP TABLE CUSTOMERS;
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> DESC CUSTOMERS;
ERROR 1146 (42S02): Table 'testdb.customers' doesn't exist
mysql> SELECT ID,NAME,SALARY FROM CUSTOMERS;
ERROR 1146 (42S02): Table 'testdb.customers' doesn't exist
mysql> CREATE DATABASE IF NOT EXISTS testdb;
Query OK, 1 row affected, 1 warning (0.01 sec)
```

```
mysql> USE testdb;
Database changed
mysql> CREATE TABLE CUSTOMERS (
->     ID INT NOT NULL PRIMARY KEY,
->     NAME VARCHAR(40),
->     AGE INT,
->     ADDRESS VARCHAR(60),
->     SALARY INT
-> );
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> INSERT INTO CUSTOMERS VALUES
-> (1, 'SIMRAN', 35, 'Hyderabad', 2000),
-> (2, 'Sana', 36, 'Delhi', 1500),
-> (3, 'Nahid', 37, 'Mumbai', 2000),
-> (4, 'Neha', 38, 'UP', 6500),
-> (5, 'Reshmi', 39, 'AP', 8500),
-> (6, 'Simi', 40, 'US', 4500),
-> (7, 'Sam', 41, 'UK', 10000);
Query OK, 7 rows affected (0.01 sec)
Records: 7 Duplicates: 0 Warnings: 0
```

```
mysql> SHOW TABLES;
+-----+
| Tables_in_testdb |
+-----+
| customers         |
| salary            |
+-----+
2 rows in set (0.01 sec)
```

```
mysql> SELECT * FROM CUSTOMERS;
+----+-----+-----+-----+-----+
| ID | NAME  | AGE  | ADDRESS  | SALARY |
+----+-----+-----+-----+-----+
```

1	SIMRAN	35	Hyderabad	2000
2	Sana	36	Delhi	1500
3	Nahid	37	Mumbai	2000
4	Neha	38	UP	6500
5	Reshmi	39	AP	8500
6	Simi	40	US	4500
7	Sam	41	UK	10000

+-----+  
7 rows in set (0.00 sec)

```
mysql> CREATE TABLE SALARY AS
-> SELECT ID, SALARY
-> FROM CUSTOMERS;
ERROR 1050 (42S01): Table 'SALARY' already exists
mysql> SHOW TABLES;
```

Tables_in_testdb
customers
salary

+-----+  
2 rows in set (0.01 sec)

```
mysql> SELECT * FROM SALARY;
```

ID	SALARY
1	2000
2	1500
3	2000
4	6500
5	8500
6	4500
7	10000

+-----+  
7 rows in set (0.00 sec)

```
mysql> USE TESTDB;
Database changed
mysql> SELECT * FROM TABLE_NAME;
ERROR 1146 (42S02): Table 'testdb.table_name' doesn't exist
mysql> SELECT ID,NAME,SALARY FROM CUSTOMERS;
```

ID	NAME	SALARY
1	SIMRAN	2000
2	Sana	1500
3	Nahid	2000
4	Neha	6500
5	Reshmi	8500

6	Simi	4500
7	Sam	10000

7 rows in set (0.00 sec)

```
mysql> SELECT * FROM CUSTOMERS;
```

ID	NAME	AGE	ADDRESS	SALARY
1	SIMRAN	35	Hyderabad	2000
2	Sana	36	Delhi	1500
3	Nahid	37	Mumbai	2000
4	Neha	38	UP	6500
5	Reshmi	39	AP	8500
6	Simi	40	US	4500
7	Sam	41	UK	10000

7 rows in set (0.00 sec)

```
mysql> SELECT ID,NAME,SALARY
-> FROM CUSTOMERS
-> WHERE SALARY > 2000;
```

ID	NAME	SALARY
4	Neha	6500
5	Reshmi	8500
6	Simi	4500
7	Sam	10000

4 rows in set (0.00 sec)

```
mysql> SELECT ID,NAME,SALARY
-> FROM CUSTOMERS
-> WHERE NAME='SAM';
```

ID	NAME	SALARY
7	Sam	10000

1 row in set (0.00 sec)