CREATE TABLE table\_name (  
    column1 datatype,  
    column2 datatype,  
    column3 datatype,  
   ....  
);

CREATE TABLE student1 ( student\_id int,student\_name varchar(20),percentage int,student\_result varchar(10));

INSERT INTO table\_name (column1, column2, column3, ...)  
VALUES (value1, value2, value3, ...);

INSERT INTO student1 VALUES (1001,”Anuja”,82, “pass”);

CREATE TABLE student2 ( student\_id int not null,student\_name varchar(20) not null,percentage int,student\_result varchar(10));

SELECT MIN(percentage) FROM student2;

SELECT sum(percentage) FROM student2 where city="amra";

Enter password: \*\*\*\*

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

Your MySQL connection id is 13

Server version: 8.0.29 MySQL Community Server - GPL

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owners.

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

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| ai |

| aii |

| amazon |

| college |

| flipkart |

| htg |

| information\_schema |

| mysql |

| performance\_schema |

| rammegecollege |

| sakila |

| sipnacollege |

| sys |

| university |

| world |

+--------------------+

15 rows in set (0.03 sec)

mysql> use rammegecollege;

Database changed

mysql> show tables;

+--------------------------+

| Tables\_in\_rammegecollege |

+--------------------------+

| customer |

| employee |

+--------------------------+

2 rows in set (0.01 sec)

mysql> desc customer;

+---------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------------+-------------+------+-----+---------+-------+

| customer\_id | int | YES | | NULL | |

| customer\_name | varchar(20) | YES | | NULL | |

| contact\_name | varchar(20) | YES | | NULL | |

| address | varchar(20) | YES | | NULL | |

| city | varchar(20) | YES | | NULL | |

| postalcode | int | YES | | NULL | |

| country | varchar(20) | YES | | NULL | |

+---------------+-------------+------+-----+---------+-------+

7 rows in set (0.01 sec)

mysql> desc employee

-> ;

+---------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------+-------------+------+-----+---------+-------+

| emp\_id | int | YES | | NULL | |

| fname | varchar(20) | YES | | NULL | |

| lname | varchar(15) | YES | | NULL | |

| salary | int | YES | | NULL | |

| address | varchar(20) | YES | | NULL | |

+---------+-------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

mysql> select \* from customer;

+-------------+---------------+--------------+------------------+----------+------------+---------+

| customer\_id | customer\_name | contact\_name | address | city | postalcode | country |

+-------------+---------------+--------------+------------------+----------+------------+---------+

| 1001 | sumit | arode | navathe Amravati | amravati | 444604 | india |

| 1003 | ABHIJEET | NULL | rAJ Amravati | Nagpur | 444604 | NULL |

+-------------+---------------+--------------+------------------+----------+------------+---------+

2 rows in set (0.00 sec)

mysql> select \* from employee;

+--------+--------+----------+--------+----------+

| emp\_id | fname | lname | salary | address |

+--------+--------+----------+--------+----------+

| 1001 | harish | gwalani | 50000 | amravati |

| 1002 | sagar | parmar | 57000 | amravati |

| 1003 | suraj | bhalekar | 80000 | amravati |

| 1001 | harish | gwalani | 50000 | amravati |

| 1001 | harish | gwalani | 50000 | amravati |

+--------+--------+----------+--------+----------+

5 rows in set (0.01 sec)

mysql> CREATE TABLE student1 ( student\_id int,student\_name varchar(20),percentage int,student\_result varchar(10));

Query OK, 0 rows affected (0.06 sec)

mysql> show tables;

+--------------------------+

| Tables\_in\_rammegecollege |

+--------------------------+

| customer |

| employee |

| student1 |

+--------------------------+

3 rows in set (0.00 sec)

mysql> desc student1;

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| student\_id | int | YES | | NULL | |

| student\_name | varchar(20) | YES | | NULL | |

| percentage | int | YES | | NULL | |

| student\_result | varchar(10) | YES | | NULL | |

+----------------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> INSERT INTO student1 VALUES (1001,"Anuja",82, "pass");

Query OK, 1 row affected (0.01 sec)

mysql> select \* from student1;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

+------------+--------------+------------+----------------+

1 row in set (0.00 sec)

mysql> INSERT INTO student1 VALUES (1002,"madhuri",78, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> select \* from student1;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

| 1002 | madhuri | 78 | pass |

+------------+--------------+------------+----------------+

2 rows in set (0.00 sec)

mysql> INSERT INTO student1 VALUES ("jeet",62, "pass");

ERROR 1136 (21S01): Column count doesn't match value count at row 1

mysql> INSERT INTO student1(student\_name,percentage,student\_result) VALUES ("jeet",62, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> select \* from student1;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

| 1002 | madhuri | 78 | pass |

| NULL | jeet | 62 | pass |

+------------+--------------+------------+----------------+

3 rows in set (0.00 sec)

mysql> INSERT INTO student1 VALUES (1002,"madhuri",78, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> select \* from student1;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

| 1002 | madhuri | 78 | pass |

| NULL | jeet | 62 | pass |

| 1002 | madhuri | 78 | pass |

+------------+--------------+------------+----------------+

4 rows in set (0.00 sec)

mysql> CREATE TABLE student2 ( student\_id int not null,student\_name varchar(20) not null,percentage int,student\_result varchar(10));

Query OK, 0 rows affected (0.03 sec)

mysql> show tables;

+--------------------------+

| Tables\_in\_rammegecollege |

+--------------------------+

| customer |

| employee |

| student1 |

| student2 |

+--------------------------+

4 rows in set (0.00 sec)

mysql> select \* from student2;

Empty set (0.01 sec)

mysql> desc student1;

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| student\_id | int | YES | | NULL | |

| student\_name | varchar(20) | YES | | NULL | |

| percentage | int | YES | | NULL | |

| student\_result | varchar(10) | YES | | NULL | |

+----------------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> desc student1;

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| student\_id | int | YES | | NULL | |

| student\_name | varchar(20) | YES | | NULL | |

| percentage | int | YES | | NULL | |

| student\_result | varchar(10) | YES | | NULL | |

+----------------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> desc student2;

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| student\_id | int | NO | | NULL | |

| student\_name | varchar(20) | NO | | NULL | |

| percentage | int | YES | | NULL | |

| student\_result | varchar(10) | YES | | NULL | |

+----------------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> INSERT INTO student2 VALUES (1001,"Anuja",82, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> select \* from student2;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

+------------+--------------+------------+----------------+

1 row in set (0.00 sec)

mysql> INSERT INTO student1 VALUES (1002,"madhuri",78, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> select \* from student1;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

| 1002 | madhuri | 78 | pass |

| NULL | jeet | 62 | pass |

| 1002 | madhuri | 78 | pass |

| 1002 | madhuri | 78 | pass |

+------------+--------------+------------+----------------+

5 rows in set (0.00 sec)

mysql> select \* from student2;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

+------------+--------------+------------+----------------+

1 row in set (0.00 sec)

mysql> INSERT INTO student2 VALUES (1002,"madhuri",78, "pass");

Query OK, 1 row affected (0.01 sec)

mysql> select \* from student2;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

| 1002 | madhuri | 78 | pass |

+------------+--------------+------------+----------------+

2 rows in set (0.00 sec)

mysql> INSERT INTO student1(student\_name,percentage,student\_result) VALUES ("jeet",62, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO student2(student\_name,percentage,student\_result) VALUES ("jeet",62, "pass");

ERROR 1364 (HY000): Field 'student\_id' doesn't have a default value

mysql> INSERT INTO student1(student\_name,percentage,student\_result) VALUES ("jeet",62, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO student2(student\_name,percentage,student\_result) VALUES ("jeet",62, "pass");

ERROR 1364 (HY000): Field 'student\_id' doesn't have a default value

mysql> select \* from student1;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

| 1002 | madhuri | 78 | pass |

| NULL | jeet | 62 | pass |

| 1002 | madhuri | 78 | pass |

| 1002 | madhuri | 78 | pass |

| NULL | jeet | 62 | pass |

| NULL | jeet | 62 | pass |

+------------+--------------+------------+----------------+

7 rows in set (0.00 sec)

mysql> CREATE TABLE student3(student\_id int unique,student\_name varchar(20) not null,percentage int,student\_result varchar(10));

Query OK, 0 rows affected (0.07 sec)

mysql> desc student3;

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| student\_id | int | YES | UNI | NULL | |

| student\_name | varchar(20) | NO | | NULL | |

| percentage | int | YES | | NULL | |

| student\_result | varchar(10) | YES | | NULL | |

+----------------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> CREATE TABLE student4(student\_id int not null unique,student\_name varchar(20) not null,percentage int,student\_result varchar(10));

Query OK, 0 rows affected (0.03 sec)

mysql> desc student4;

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| student\_id | int | NO | PRI | NULL | |

| student\_name | varchar(20) | NO | | NULL | |

| percentage | int | YES | | NULL | |

| student\_result | varchar(10) | YES | | NULL | |

+----------------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| ai |

| aii |

| amazon |

| college |

| flipkart |

| htg |

| information\_schema |

| mysql |

| performance\_schema |

| rammegecollege |

| sakila |

| sipnacollege |

| sys |

| university |

| world |

+--------------------+

15 rows in set (0.00 sec)

mysql> INSERT INTO student1 VALUES (1001,"Anuja",82, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO student4 VALUES (1001,"Anuja",82, "pass");

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO student1 VALUES (1002,"madhuri",78, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO student4 VALUES (1002,"madhuri",78, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO student4(student\_name,percentage,student\_result) VALUES ("jeet",62, "pass");

ERROR 1364 (HY000): Field 'student\_id' doesn't have a default value

mysql> INSERT INTO student4 VALUES (1002,"madhuri",78, "pass");

ERROR 1062 (23000): Duplicate entry '1002' for key 'student4.student\_id'

mysql> INSERT INTO student4 VALUES (1003,"madhuri",78, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> CREATE TABLE student5(student\_id int not null,student\_name varchar(20) not null,percentage int,student\_result varchar(10),primary key(student\_id));

Query OK, 0 rows affected (0.03 sec)

mysql> desc student5;

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| student\_id | int | NO | PRI | NULL | |

| student\_name | varchar(20) | NO | | NULL | |

| percentage | int | YES | | NULL | |

| student\_result | varchar(10) | YES | | NULL | |

+----------------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> desc student4;

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| student\_id | int | NO | PRI | NULL | |

| student\_name | varchar(20) | NO | | NULL | |

| percentage | int | YES | | NULL | |

| student\_result | varchar(10) | YES | | NULL | |

+----------------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> SELECT MIN(column\_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 'condition' at line 3

mysql> SELECT MIN(percentage) FROM student2;

+-----------------+

| MIN(percentage) |

+-----------------+

| 78 |

+-----------------+

1 row in set (0.00 sec)

mysql> select \* from student2;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

| 1002 | madhuri | 78 | pass |

+------------+--------------+------------+----------------+

2 rows in set (0.00 sec)

mysql> INSERT INTO student4 VALUES (1003,"jeet",62, "pass");

ERROR 1062 (23000): Duplicate entry '1003' for key 'student4.student\_id'

mysql> INSERT INTO student2 VALUES (1003,"jeet",62, "pass");

Query OK, 1 row affected (0.00 sec)

mysql> select \* from student2;

+------------+--------------+------------+----------------+

| student\_id | student\_name | percentage | student\_result |

+------------+--------------+------------+----------------+

| 1001 | Anuja | 82 | pass |

| 1002 | madhuri | 78 | pass |

| 1003 | jeet | 62 | pass |

+------------+--------------+------------+----------------+

3 rows in set (0.00 sec)

mysql> SELECT MIN(percentage) FROM student2;

+-----------------+

| MIN(percentage) |

+-----------------+

| 62 |

+-----------------+

1 row in set (0.00 sec)

mysql> SELECT max(percentage) FROM student2;

+-----------------+

| max(percentage) |

+-----------------+

| 82 |

+-----------------+

1 row in set (0.00 sec)

mysql> SELECT count(percentage) FROM student2;

+-------------------+

| count(percentage) |

+-------------------+

| 3 |

+-------------------+

1 row in set (0.00 sec)

mysql> SELECT count(student\_id) FROM student2;

+-------------------+

| count(student\_id) |

+-------------------+

| 3 |

+-------------------+

1 row in set (0.03 sec)

mysql> SELECT count(student\_id) as "count" FROM student2;

+-------+

| count |

+-------+

| 3 |

+-------+

1 row in set (0.00 sec)

mysql> SELECT count(student\_id) as "co" FROM student2;

+----+

| co |

+----+

| 3 |

+----+

1 row in set (0.00 sec)

mysql> SELECT avg(student\_id) as "co" FROM student2;

+-----------+

| co |

+-----------+

| 1002.0000 |

+-----------+

1 row in set (0.01 sec)

mysql> SELECT avg(percentage) FROM student2;

+-----------------+

| avg(percentage) |

+-----------------+

| 74.0000 |

+-----------------+

1 row in set (0.00 sec)

mysql> SELECT sum(percentage) FROM student2;

+-----------------+

| sum(percentage) |

+-----------------+

| 222 |

+-----------------+

1 row in set (0.00 sec)

mysql> SELECT sum(percentage) FROM student2 where city="amra";