

```
mysql> select count(*) from Akash;
```

count(*)
6

```
1 row in set (0.03 sec)
```

```
mysql> select first_name,last_name from Akash;
```

first_name	last_name
Alugubilli	Akash
Harsha	Vardhan
Lakshman	Ritesh
Mubashar	Shaik
Babu	Kumar
Ganesh	V

```
6 rows in set (0.00 sec)
```

```
mysql> select*from Akash where last_name='Akash';
```

A_ID	FIRST_NAME	LAST_NAME	BIRTH_DATE	LOCATION
3001	Alugubilli	Akash	2003-05-10	Vizag

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

```
mysql> select*from Akash where birth_date>'2003-04-10' AND birth_date<'2003-06-10';
```

A_ID	FIRST_NAME	LAST_NAME	BIRTH_DATE	LOCATION
3001	Alugubilli	Akash	2003-05-10	Vizag
3004	Mubashar	Shaik	2003-05-15	Tirupati

```
2 rows in set (0.00 sec)
```

```
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.37 MySQL Community Server - GPL

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owners.

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

mysql> create database my_data;
Query OK, 1 row affected (0.02 sec)

mysql> use my_data;
Database changed
mysql> create table akash(A_ID INT,FIRST_NAME VARCHAR(20),LAST_NAME VARCHAR(20),BIRTH_DATE DATE,LOCATION VARCHAR(20));
Query OK, 0 rows affected (0.05 sec)

mysql> DESC MY_DATA;
ERROR 1146 (42S02): Table 'my_data.my_data' doesn't exist
mysql> desc akash;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| A_ID       | int           | YES  |     | NULL    |       |
| FIRST_NAME | varchar(20)   | YES  |     | NULL    |       |
| LAST_NAME  | varchar(20)   | YES  |     | NULL    |       |
| BIRTH_DATE | date          | YES  |     | NULL    |       |
| LOCATION   | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)

mysql> insert into akash(A_ID INT,FIRST_NAME VARCHAR(20),LAST_NAME VARCHAR(20),BIRTH_DATE DATE,LOCATION VARCHAR(20))values(3001,'Alugubilli','Akash','2003-05-10','Vizag'),(3002,'Harsha','Vardhan','2003-06-15','Vijayawada');
```



```
mysql> insert into akash(A_ID INT,FIRST_NAME VARCHAR(20),LAST_NAME VARCHAR(20),BIRTH_DATE DATE,LOCATION VARCHAR(20))values(3001,'Alugubilli','Akash','2003-05-10','Vizag'),(3002,'Harsha','Vardhan','2003-06-15','Vijayawada');
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 'INT,FIRST_NAME VARCHAR(20),LAST_NAME VARCHAR(20),BIRTH_DATE DATE,LOCATION VARCHA' at line 1
mysql> insert into akash(A_ID,FIRST_NAME, LAST_NAME ,BIRTH_DATE ,LOCATION)values(3001,'Alugubilli','Akash','2003-05-10','Vizag'),(3002,'Harsha','Vardhan','2003-06-15','Vijayawada');
Query OK, 2 rows affected (0.03 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

```
mysql> select*from akash;
+-----+-----+-----+-----+-----+
| A_ID | FIRST_NAME | LAST_NAME | BIRTH_DATE | LOCATION |
+-----+-----+-----+-----+-----+
| 3001 | Alugubilli | Akash     | 2003-05-10 | Vizag    |
| 3002 | Harsha     | Vardhan   | 2003-06-15 | Vijayawada |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> insert into akash(A_ID,FIRST_NAME, LAST_NAME ,BIRTH_DATE ,LOCATION)values(3003,'Lakshman','Ritesh','2003-12-10','Nellore'),(3004,'Mubashar','Shaik','2003-05-15','Tirupati');
Query OK, 2 rows affected (0.02 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

```
mysql> select*from Akash;
+-----+-----+-----+-----+-----+
| A_ID | FIRST_NAME | LAST_NAME | BIRTH_DATE | LOCATION |
+-----+-----+-----+-----+-----+
| 3001 | Alugubilli | Akash     | 2003-05-10 | Vizag    |
| 3002 | Harsha     | Vardhan   | 2003-06-15 | Vijayawada |
| 3003 | Lakshman   | Ritesh    | 2003-12-10 | Nellore  |
| 3004 | Mubashar   | Shaik     | 2003-05-15 | Tirupati |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> insert into akash(A_ID,FIRST_NAME, LAST_NAME ,BIRTH_DATE ,LOCATION)values(3005,'Babu','Kumar','2003-11-16','Guntur'),(3006,'Ganesh','V','2003-07-2
```


Query OK, 1 row affected (0.01 sec)

Database changed

```
mysql> CREATE TABLE Orders (
->     order_id INT PRIMARY KEY,
->     customer_name VARCHAR(100)
-> );
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> desc Orders;
```

Field	Type	Null	Key	Default	Extra
order_id	int	NO	PRI	NULL	
customer_name	varchar(100)	YES		NULL	

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

```
mysql> CREATE TABLE OrderDetails (
->     order_id INT,
->     product_id INT,
->     PRIMARY KEY (order_id, product_id),
->     FOREIGN KEY (order_id) REFERENCES Orders(order_id)
-> );
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> desc OrderDetails;
```

Field	Type	Null	Key	Default	Extra
order_id	int	NO	PRI	NULL	
product_id	int	NO	PRI	NULL	

```
2 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE OrderDetails (
->     order_id INT,
->     product_id INT,
```

```
mysql> desc Department;
ERROR 1146 (42S02): Table 'my_data.department' doesn't exist
mysql> desc departent;
```

Field	Type	Null	Key	Default	Extra
department_id	int	NO	PRI	NULL	
department_name	varchar(20)	YES		NULL	

2 rows in set (0.00 sec)

```
mysql> create table employee(employee_id int primary key,first_name va
rchar(20),last_name varchar(20),department_id int,foreign key(departme
nt_id)references departent(department_id));
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> desc employee;
```

Field	Type	Null	Key	Default	Extra
employee_id	int	NO	PRI	NULL	
first_name	varchar(20)	YES		NULL	
last_name	varchar(20)	YES		NULL	
department_id	int	YES	MUL	NULL	

4 rows in set (0.00 sec)

```
mysql> create table student(student_id int primary key,name varchar(20
));
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
student_id	int	NO	PRI	NULL	
name	varchar(20)	YES		NULL	


```
+-----+-----+-----+
|      1 | John   | Doe   |      101 |
|      2 | Jane   | Smith |      102 |
|      3 | Jim    | Brown |      103 |
+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> CREATE INDEX idx_last_name
-> ON employ(last_name);
Query OK, 0 rows affected (0.06 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

```
mysql> select*from employ;
```

```
+-----+-----+-----+
| employee_id | first_name | last_name | department_id |
+-----+-----+-----+
|          1 | John      | Doe       |          101 |
|          2 | Jane      | Smith     |          102 |
|          3 | Jim       | Brown     |          103 |
+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> SELECT * FROM employ WHERE last_name = 'Smith';
```

```
+-----+-----+-----+
| employee_id | first_name | last_name | department_id |
+-----+-----+-----+
|          2 | Jane      | Smith     |          102 |
+-----+-----+-----+
```

1 row in set (0.01 sec)

```
mysql> select*from employ;
```

```
+-----+-----+-----+
| employee_id | first_name | last_name | department_id |
+-----+-----+-----+
|          1 | John      | Doe       |          101 |
|          2 | Jane      | Smith     |          102 |
|          3 | Jim       | Brown     |          103 |
+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> |
```



```
mysql> use AA;
```

```
Database changed
```

```
mysql> CREATE TABLE employ(
```

```
->     employee_id INT PRIMARY KEY,
```

```
->     first_name VARCHAR(50),
```

```
->     last_name VARCHAR(50),
```

```
->     department_id INT
```

```
-> );
```

```
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> desc employ;
```

Field	Type	Null	Key	Default	Extra
employee_id	int	NO	PRI	NULL	
first_name	varchar(50)	YES		NULL	
last_name	varchar(50)	YES		NULL	
department_id	int	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> INSERT INTO employ (employee_id, first_name, last_name, department_id)
```

```
-> VALUES (1, 'John', 'Doe', 101), (2, 'Jane', 'Smith', 102), (3, 'Jim', 'Brown', 103);
```

```
Query OK, 3 rows affected (0.01 sec)
```

```
Records: 3  Duplicates: 0  Warnings: 0
```

```
mysql> select*from employ;
```

employee_id	first_name	last_name	department_id
1	John	Doe	101
2	Jane	Smith	102
3	Jim	Brown	103

```
3 rows in set (0.00 sec)
```

```
mysql> CREATE INDEX idx_last_name
```

```
-> ON employ(last_name);
```

```
Query OK, 0 rows affected (0.06 sec)
```

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