


```
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
```

```
mysql> select*from Akash;
```

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

```
mysql> select * from Akash;
```

```
mysql> select*from Akash;
```

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

```
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)
```

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

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 department(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	

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

2 rows in set (0.00 sec)

mysql> create table course(course_id int primary key,course_name varchar(20));

Query OK, 0 rows affected (0.05 sec)

mysql> desc course;

Field	Type	Null	Key	Default	Extra
course_id	int	NO	PRI	NULL	
course_name	varchar(20)	YES		NULL	

2 rows in set (0.00 sec)

mysql> create table enrollment(student_id int,course int,primary key(student_id,course_id),foreign key(student_id)references student(student_id),foreign key(course_id)references course(course_id));

ERROR 1072 (42000): Key column 'course_id' doesn't exist in table

mysql> create table enrollment(student_id int,course_id int,primary key(student_id,course_id),foreign key(student_id)references student(student_id),foreign key(course_id)references course(course_id));

ERROR 1072 (42000): Key column 'course_id' doesn't exist in table

mysql> create table enrollment(student_id int,course_id int,primary key(student_id,course_id),foreign key(student_id)references student(student_id),foreign key(course_id)references course(course_id));

Query OK, 0 rows affected (0.09 sec)

mysql> desc enrollment;

Field	Type	Null	Key	Default	Extra
student_id	int	NO	PRI	NULL	
course_id	int	NO	PRI	NULL	

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```
ERROR 1046 (3D000): No database selected
mysql> create database my_datas;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> use my_datas;
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> 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
```



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

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

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

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

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

```
mysql> |
```