

# MySQL 8.0 Command Line Client

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

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

Your MySQL connection id is 37

Server version: 8.0.32 MySQL Community Server - GPL

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

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

mysql> USE staff;  
Database changed  
mysql> CREATE TABLE staff (  
-> staff\_id INT PRIMARY KEY,  
-> name VARCHAR(255),  
-> department VARCHAR(255)  
-> );  
Query OK, 0 rows affected (0.02 sec)

mysql> DESCRIBE staff;

Field	Type	Null	Key	Default	Extra
staff_id	int	NO	PRI	NULL	
name	varchar(255)	YES		NULL	
department	varchar(255)	YES		NULL	

3 rows in set (0.00 sec)

mysql> INSERT INTO staff (staff\_id, name, department) VALUES  
-> (1, 'John', 'ECE'),  
-> (2, 'Jane', 'CSE'),  
-> (3, 'Bob', 'ECE'),  
-> (4, 'Alice', 'EEE'),  
-> (5, 'Charlie', 'CSE');  
Query OK, 5 rows affected (0.01 sec)  
Records: 5 Duplicates: 0 Warnings: 0

mysql> SELECT \*from staff;

staff_id	name	department
1	John	ECE
2	Jane	CSE

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```
mysql> SELECT *from staff;
```

staff_id	name	department
1	John	ECE
2	Jane	CSE
3	Bob	ECE
4	Alice	EEE
5	Charlie	CSE

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

```
mysql> CREATE TABLE modules (  
->   module_id INT PRIMARY KEY,  
->   module_name VARCHAR(255),  
->   staff_id INT  
-> );
```

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

```
mysql> DESCRIBE modules;
```

Field	Type	Null	Key	Default	Extra
module_id	int	NO	PRI	NULL	
module_name	varchar(255)	YES		NULL	
staff_id	int	YES		NULL	

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

```
mysql> INSERT INTO modules (module_id, module_name, staff_id) VALUES  
-> (101, 'Introduction to ECE', 1),  
-> (102, 'Programming in C', 2),  
-> (103, 'Digital Electronics', 1),  
-> (104, 'Database Management', 3),  
-> (105, 'Data Structures', 5);
```

```
Query OK, 5 rows affected (0.01 sec)
```

```
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> SELECT *from modules;
```

module_id	module_name	staff_id
101	Introduction to ECE	1
102	Programming in C	2
103	Digital Electronics	1
104	Database Management	3
105	Data Structures	5

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

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```
mysql> SELECT *from modules;
```

module_id	module_name	staff_id
101	Introduction to ECE	1
102	Programming in C	2
103	Digital Electronics	1
104	Database Management	3
105	Data Structures	5

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

```
mysql> SELECT DISTINCT s.department
```

```
-> FROM staff s
```

```
-> INNER JOIN modules m ON s.staff_id = m.staff_id;
```

department
ECE
CSE

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

```
mysql> SELECT DISTINCT s.department
```

```
-> FROM staff s
```

```
-> INNER JOIN modules m ON s.staff_id = m.staff_id;
```

department
ECE
CSE

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

```
mysql> SELECT s.name, m.module_id
```

```
-> FROM student s
```

```
-> LEFT JOIN modules m ON s.module_id = m.module_id
```

```
-> WHERE s.score IS NULL;
```

```
ERROR 1146 (42S02): Table 'staff.student' doesn't exist
```

```
mysql> SELECT m.module_name
```

```
-> FROM modules m
```

```
-> INNER JOIN staff s ON m.staff_id = s.staff_id
```

```
-> WHERE s.department = 'ECE' AND s.name = 'Kamal';
```

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

```
mysql>
```

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