

ALTER , UPDATE , DELETE TABLE

ALTER TABLE

1. MODIFY

```
mysql> ALTER TABLE Order_Items
```

```
→
```

```
MODIFY COLUMN current_price DECIMAL(10,2) NOT NULL DEFAULT 0;
```

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

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

```
mysql> ALTER TABLE Jewellery MODIFY HSN VARCHAR(30) NOT NULL;
```

```
Query OK, 0 rows affected (0.14 sec)
```

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

```
mysql> DESC Jewellery;
```

Field	Type	Null	Key	Default	Extra
jewelleryid	char(5)	NO	PRI	NULL	
jtype	varchar(30)	NO		NULL	
HSN	varchar(30)	NO		NULL	
stock	int	NO	0		
description	varchar(250)	NO		NULL	

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

```
mysql>
```

2. ADD COLUMN

```
mysql> ALTER TABLE Unit
```

```
→
```

```
ADD COLUMN date_sold DATE DEFAULT NULL;
```

```
Query OK, 0 rows affected (0.03 sec)
```

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

```
mysql> ALTER TABLE Unit
→ MODIFY COLUMN weight INT NOT NULL DEFAULT 0;
```

Query OK, 0 rows affected (0.14 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> desc Unit;
```

Field	Type	Null	Key	Default	Extra
unitid	char(7)	NO	PRI	NULL	
jewelleryid	char(5)	YES	MUL	NULL	
size	varchar(40)	YES		NULL	
weight	int	NO		0	
material	varchar(40)	YES		NULL	
makingcharges	decimal(10,2)		YES	0.00	
wastagecharges	decimal(10,2)		YES	0.00	
date_added	date	NO		NULL	
status	enum('Available','Sold','Reserved','Out of Stock')	NO			
Available					
date_sold	date	YES		NULL	

10 rows in set (0.00 sec)

```
mysql>
```

3. ADD CONSTRAINT

```
mysql> ALTER TABLE Orders
```

```
→
```

```
ADD CONSTRAINT fk_orders_customer
```

```
→ FOREIGN KEY (custid)
```

```
→ REFERENCES customer(custid)
```

```
→ ON DELETE CASCADE;
```

Query OK, 10 rows affected (0.16 sec)

Records: 10 Duplicates: 0 Warnings: 0

```
mysql> desc orders;
```

Field	Type	Null	Key	Default	Extra
orderid	char(6)	NO	PRI	NULL	
custid	char(5)	NO	MUL	NULL	
order_date	date	NO		NULL	
total_price	decimal(10,2)	YES		0.00	

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

```
mysql>
```

```
mysql> ALTER TABLE Unit
```

```
→
```

```
ADD CONSTRAINT unit_jewelleryid
```

```
→ FOREIGN KEY (jewelleryid)
```

```
→ REFERENCES jewellery(jewelleryid)
```

```
→ ON DELETE CASCADE;
```

```
Query OK, 35 rows affected (0.14 sec)
```

```
Records: 35 Duplicates: 0 Warnings: 0
```

```
mysql> ALTER TABLE Order_Items
```

```
→
```

```
ADD CONSTRAINT order_items_orderid
```

```
→ FOREIGN KEY (orderid)
```

```
→ REFERENCES Orders(orderid)
```

```
→ ON DELETE CASCADE;
```

```
Query OK, 16 rows affected (0.16 sec)
```

```
Records: 16 Duplicates: 0 Warnings: 0
```

```
mysql>
```

```
mysql> ALTER TABLE Order_Items
```

```
→
```

```
ADD CONSTRAINT order_items_unitid
```

```
→ FOREIGN KEY (unitid)
```

```
→ REFERENCES Unit(unitid)
```

```
→ ON DELETE CASCADE;
```

Query OK, 16 rows affected (0.11 sec)
Records: 16 Duplicates: 0 Warnings: 0

mysql>

mysql> ALTER TABLE Payment

→

ADD CONSTRAINT payment_orderid

→ FOREIGN KEY (orderid)

→ REFERENCES Orders(orderid)

→ ON DELETE CASCADE;

Query OK, 10 rows affected (0.20 sec)

Records: 10 Duplicates: 0 Warnings: 0

mysql>

mysql> ALTER TABLE Order_Items

→

ADD CONSTRAINT order_items_jewelleryid

→ FOREIGN KEY (jewelleryid)

→ REFERENCES Jewellery(jewelleryid)

→ ON DELETE CASCADE;

Query OK, 16 rows affected (0.18 sec)

Records: 16 Duplicates: 0 Warnings: 0

mysql>

DROP TABLE

mysql> -- create table OrderItems

mysql> CREATE TABLE ORDERITEMS(

→ orderid int primary key);

Query OK, 0 rows affected (0.03 sec)

mysql> **drop** table ORDERITEMS;

Query OK, 0 rows affected (0.05 sec)

mysql>

```
mysql> DROP TABLE IF EXISTS Orders;  
Query OK, 0 rows affected (0.06 sec)
```

DROP TRIGGER

```
mysql> DROP TRIGGER IF EXISTS calculate_total_price;
```

UPDATE TABLE

```
mysql> UPDATE Unit  
→ SET status = 'Available';  
Query OK, 9 rows affected (0.04 sec)  
Rows matched: 35  Changed: 9  Warnings: 0  
  
mysql>
```

DELETE RECORDS FROM TABLE

```
mysql> DELETE FROM Payment;  
Query OK, 9 rows affected (0.01 sec)  
  
mysql> DELETE FROM Orders;  
Query OK, 0 rows affected (0.00 sec)  
  
mysql>  
  
mysql> DELETE FROM payment;  
Query OK, 10 rows affected (0.03 sec)  
  
mysql>
```

