

```
--DDL
create table shopping(
order_id int primary key,
customer_name varchar(50),
product_name varchar(50),
quantity int check(quantity>0),
price decimal(10,2),
order_date date
);

--insert values
insert into shopping values
(1,'aravid','bluetooth speaker',2,750.00,'2025-08-15'),
(2,'diya','smart watch',2,2000.00,'2025-08-30'),
(3,'rahul','shoe',3,150.00,'2025-08-12'),
(4,'meera','lamp',4,370.00,'2025-07-28'),
(5,'kavya','table fan',1,2999.00,'2025-08-09'),
(6,'ravi','suit case',2,1499.00,'2025-01-08');
```

order_id	customer_name	product_name	quantity	price	order_date
1	aravid	bluetooth speaker	2	750.00	2025-08-15
2	diya	smart watch	2	2000.00	2025-08-30
3	rahul	shoe	3	150.00	2025-08-12
4	meera	lamp	4	370.00	2025-07-28
5	kavya	table fan	1	2999.00	2025-08-09
6	ravi	suit case	2	1499.00	2025-01-08

```
--alter table
alter table shopping
add status varchar(20) default 'pending';
```

order_id	customer_name	product_name	quantity	price	order_date	status
1	aravid	bluetooth speaker	2	750.00	2025-08-15	pending
2	diya	smart watch	2	2000.00	2025-08-30	pending
3	rahul	shoe	3	150.00	2025-08-12	pending
4	meera	lamp	4	370.00	2025-07-28	pending
5	kavya	table fan	1	2999.00	2025-08-09	pending
6	ravi	suit case	2	1499.00	2025-01-08	pending

```
alter table shopping
drop column status;
```

order_id	customer_name	product_name	quantity	price	order_date
1	aravid	bluetooth speaker	2	750.00	2025-08-15
2	diya	smart watch	2	2000.00	2025-08-30
3	rahul	shoe	3	150.00	2025-08-12
4	meera	lamp	4	370.00	2025-07-28
5	kavya	table fan	1	2999.00	2025-08-09

```
--rename column
alter table orders
rename column product_name to items_name;
```

order_id	customer_name	items_name	quantity	price	order_date	status
1	aravid	bluetooth speaker	2	750.00	2025-08-15	pending
2	diya	smart watch	2	2000.00	2025-08-30	pending
3	rahul	shoe	3	150.00	2025-08-12	pending
4	meera	lamp	4	370.00	2025-07-28	pending
5	kavya	table fan	1	2999.00	2025-08-09	pending
6	ravi	suit case	2	1499.00	2025-01-08	pending

```
--truncate table
truncate table orders;
```

```
--drop table
drop table orders;
```

```
--add constraint
alter table orders
add constraint chk_qty check(quantity>0);
```

```
--DML
--deletion of all rows
delete from orders;
```

```
--deletion of specific rows
delete from orders
where customer_name='kavya';
```

order_id	customer_name	items_name	quantity	price	order_date	status
1	aravid	bluetooth speaker	2	750.00	2025-08-15	pending
2	diya	smart watch	2	2000.00	2025-08-30	pending
3	rahul	shoe	3	150.00	2025-08-12	pending
4	meera	lamp	4	370.00	2025-07-28	pending
6	ravi	suit case	2	1499.00	2025-01-08	pending

```
--update of all rows
update orders
set status='deliverd';
```

order_id	customer_name	items_name	quantity	price	order_date	status
1	aravid	bluetooth speaker	2	750.00	2025-08-15	deliverd
2	diya	smart watch	2	2000.00	2025-08-30	deliverd
3	rahul	shoe	3	150.00	2025-08-12	deliverd
4	meera	lamp	4	370.00	2025-07-28	deliverd
6	ravi	suit case	2	1499.00	2025-01-08	deliverd

```
--update specific rows
update orders
set status='cancelled'
where customer_name='kavya';
```

order_id	customer_name	items_name	quantity	price	order_date	status
1	aravid	bluetooth speaker	2	750.00	2025-08-15	deliverd
2	diya	smart watch	2	2000.00	2025-08-30	deliverd
3	rahul	shoe	3	150.00	2025-08-12	deliverd
4	meera	lamp	4	370.00	2025-07-28	deliverd
6	ravi	suit case	2	1499.00	2025-01-08	deliverd

```
--DCL
--select data
select * from orders;
```

order_id	customer_name	items_name	quantity	price	order_date	status
1	aravid	bluetooth speaker	2	750.00	2025-08-15	deliverd
2	diya	smart watch	2	2000.00	2025-08-30	deliverd
3	rahul	shoe	3	150.00	2025-08-12	deliverd
4	meera	lamp	4	370.00	2025-07-28	deliverd
6	ravi	suit case	2	1499.00	2025-01-08	deliverd

```
--sort data
select * from orders
order by customer_name asc;
```

order_id	customer_name	items_name	quantity	price	order_date	status
1	aravid	bluetooth speaker	2	750.00	2025-08-15	deliverd
2	diya	smart watch	2	2000.00	2025-08-30	deliverd
4	meera	lamp	4	370.00	2025-07-28	deliverd
3	rahul	shoe	3	150.00	2025-08-12	deliverd
6	ravi	suit case	2	1499.00	2025-01-08	deliverd