*1.Write a query to get all products based on designer and store?*

```sql
1  SELECT vari.* , siz.size as size , col.name as color , weight.name as weighttype , prod.name AS NAME ,
2  prod.description AS DESCRIPTION , prod.productnumber as productnumber , sub.name AS subtypename ,
3  mat.name AS material , cat.name AS category , wash.type AS washcare , brnd.name AS brand , str.name AS storename , design.name AS designer
4  FROM variants vari
5  JOIN inventory inven ON ( inven.isdeleted = 0 AND inven.variants_id = vari.id )
6  JOIN store str ON ( str.isdeleted = 0 AND inven.store_id = str.id )
7  JOIN size siz ON (siz.isdeleted = 0 AND vari.size_id = siz.id)
8  JOIN color col ON (col.isdeleted = 0 AND vari.color_id = col.id) |
9  JOIN weighttype weight ON (weight.isdeleted = 0 AND vari.weighttype_id = weight.id )
10 JOIN product prod ON (prod.isdeleted = 0 AND vari.product_id = prod.id )
11 JOIN subtype sub ON ( sub.isdeleted = 0 AND prod.subtype_id = sub.id )
12 JOIN material mat ON ( mat.isdeleted = 0 AND prod.material_id = mat.id )
13 JOIN category cat ON ( cat.isdeleted = 0 AND prod.category_id = cat.id )
14 JOIN washcare wash ON ( wash.isdeleted = 0 AND prod.washcare_id = wash.id )
15 JOIN brand brnd ON ( brnd.isdeleted = 0 AND prod.brand_id = brnd.id )
16 JOIN designer design ON ( design.isdeleted = 0 AND design.id = brnd.designer_id )
17 WHERE str.id = 4 AND design.id = 4 AND vari.isdeleted = 0 ;
18
```

| id | createdat | isdeleted | updatedat | mrp | sellingprice | product_id | size_id | color_id | weighttype_id | weight | quantity | size | color | weighttype | NAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 2023-05-08 00:56:17 | 0 | 2023-05-08 00:56:17 | 599.0 | 399.0 | 5 | 1 | 6 | 2 | 100 | 20 | S | purple | gram | Women Printed Pure Cottor |
| 11 | 2023-05-08 00:56:40 | 0 | 2023-05-08 00:56:40 | 599.0 | 399.0 | 5 | 2 | 6 | 2 | 100 | 30 | M | purple | gram | Women Printed Pure Cottor |
| 12 | 2023-05-08 00:56:55 | 0 | 2023-05-08 00:56:55 | 599.0 | 399.0 | 5 | 3 | 6 | 2 | 100 | 20 | L | purple | gram | Women Printed Pure Cottor |

| NAME | DESCRIPTION | productnumber | subtypename | material | category | washcare | brand | storename | designer |
|---|---|---|---|---|---|---|---|---|---|
| Women Printed Pure Cotton Anarkali kurtis | This women ethinic kurtis is good in color... | KLATXY0989315 | kurtis | cotton | female | super white wash | Peter England | Rk fashion | Mr. Kumar Mangalam Birla |
| Women Printed Pure Cotton Anarkali kurtis | This women ethinic kurtis is good in color... | KLATXY0989315 | kurtis | cotton | female | super white wash | Peter England | Rk fashion | Mr. Kumar Mangalam Birla |
| Women Printed Pure Cotton Anarkali kurtis | This women ethinic kurtis is good in color... | KLATXY0989315 | kurtis | cotton | female | super white wash | Peter England | Rk fashion | Mr. Kumar Mangalam Birla |

*2. Write a query to find order details that order details contains customername, orderid, orderdetailsid, totalprice, variant details, quantity, address and payment details based on designerid?*

```sql
1 SELECT odetail.* , ordr.ordernumber AS orderno ,  prod.name , siz.size AS size , col.name AS color , weight.name AS weighttype ,
2 mat.name AS material , wash.type AS washcare , cat.name AS category , cust.fullname AS customername , caddress.addressline1 AS addressline1 ,
3 caddress.addressline2 AS addressline2 , caddress.landmark AS landmark, caddress.city AS city , caddress.state AS state , caddress.country AS country ,
4 caddress.pincode AS pincode , payment.createdat AS paymenttime , payment.mode AS paymenttype
5 FROM orderdetails odetail
6 JOIN orders ordr ON ( ordr.isdeleted = 0 AND odetail.orders_id = ordr.id )
7 JOIN customeraddress caddress ON ( caddress.isdeleted = 0 AND ordr.customeraddress_id = caddress.id )
8 JOIN customer cust ON ( cust.isdeleted = 0 AND caddress.customer_id = cust.id )
9 JOIN variants vari ON ( vari.isdeleted = 0 AND odetail.variants_id = vari.id )
10 JOIN product prod ON (prod.isdeleted = 0 AND vari.product_id = prod.id )
11 JOIN size siz ON (siz.isdeleted = 0 AND vari.size_id = siz.id)
12 JOIN color col ON (col.isdeleted = 0 AND vari.color_id = col.id)
13 JOIN weighttype weight ON (weight.isdeleted = 0 AND vari.weighttype_id = weight.id )
14 JOIN subtype sub ON ( sub.isdeleted = 0 AND prod.subtype_id = sub.id )
15 JOIN material mat ON ( mat.isdeleted = 0 AND prod.material_id = mat.id )
16 JOIN category cat ON ( cat.isdeleted = 0 AND prod.category_id = cat.id )
17 JOIN washcare wash ON ( wash.isdeleted = 0 AND prod.washcare_id = wash.id )
18 JOIN brand brnd ON ( brnd.isdeleted = 0 AND prod.brand_id = brnd.id )
19 JOIN designer design ON ( design.isdeleted = 0 AND design.id = brnd.designer_id )
20 JOIN paymentdetails payment ON ( payment.isdeleted = 0 AND payment.id = ordr.paymentdetails_id )
21 WHERE design.id = 2 AND odetail.isdeleted = 0 ;
```

| id | createdat | isdeleted | updatedat | quantity | expecteddeliverydate | orders_id | variants_id | totalprice | store_id | orderno | name | size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 2023-05-08 06:00:47 | 0 | 2023-05-08 06:00:47 | 1 | 2023-05-12 00:00:00 | 4 | 8 | 1,199 | 3 | GDHXZ87279 | Woven Kanjivaram Pure Silk, Art Silk Sar... | free size |
| 10 | 2023-03-12 01:29:25 | 0 | 2023-03-12 01:29:25 | 1 | 2023-03-20 00:00:00 | 9 | 8 | 1,199 | 4 | ADFSR99900 | Woven Kanjivaram Pure Silk, Art Silk Sar... | free size |

| | color | weighttype | material | washcare | category | customername | addressline1 | addressline2 | landmark | city | state | country | pincode | paymenttime | paymenttype |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ze | blue | gram | silk | normal wash | female | Abhisek Behera | Anantpur | Soro | infront of masjid | Balasore | Odisha | India | 756045 | 2023-05-08 01:09:18 | upi |
| ze | blue | gram | silk | normal wash | female | Alok Mohanty | Rasalpur | Remuna | Bakery kane | Balasore | Odisha | India | 756010 | 2023-05-08 01:09:18 | upi |

*3. Write a query to fetch the delivered orders of customer with corresponding order id ?*

```
1 SELECT odetail.* , cust.fullname AS customer , prod.name AS productname , siz.size AS size , col.name AS color , cat.name AS category , brnd.name AS brand , ship.createdat
  AS delivereddate
2 FROM orderdetails odetail
3 JOIN variants vari ON ( vari.isdeleted = 0 AND  odetail.variants_id = vari.id )
4 JOIN size siz ON (siz.isdeleted = 0 AND vari.size_id = siz.id)
5 JOIN color col ON (col.isdeleted = 0 AND vari.color_id = col.id)
6 JOIN product prod ON (prod.isdeleted = 0 AND vari.product_id = prod.id )
7 JOIN category cat ON ( cat.isdeleted = 0 AND prod.category_id = cat.id )
8 JOIN brand brnd ON ( brnd.isdeleted = 0 AND prod.brand_id = brnd.id )
9 JOIN orders ordr ON ( ordr.isdeleted = 0 AND odetail.orders_id = ordr.id )
10 JOIN shipment ship ON ( ship.isdeleted = 0 AND ship.orderdetails_id = odetail.id )
11 JOIN status sts ON ( sts.isdeleted = 0 AND ship.status_id = sts.id )
12 JOIN customeraddress caddress ON ( caddress.isdeleted = 0 AND ordr.customeraddress_id = caddress.id )
13 JOIN customer cust ON ( caddress.customer_id = cust.id )
14 WHERE ordr.id = 5 AND sts.name = 'delivered' AND odetail.isdeleted = 0 ;
15
```

| id | createdat | isdeleted | updatedat | quantity | expecteddeliverydate | orders_id | variants_id | totalprice | store_id | customer | productname | size |
|----|-----------|-----------|-----------|----------|----------------------|-----------|-------------|------------|----------|----------|-------------|------|
| 5 | 2023-05-08 06:02:23 | 0 | 2023-05-08 06:02:23 | 1 | 2023-05-12 00:00:00 | 5 | 10 | 399 | 4 | Alok Mohanty | Women Printed Pure Cotton Anarkali kurtis | S |
| 6 | 2023-05-08 06:05:08 | 1 | 2023-05-08 06:05:08 | 1 | 2023-05-12 00:00:00 | 5 | 11 | 399 | 4 | Alok Mohanty | Women Printed Pure Cotton Anarkali kurtis | M |

| size | color | category | brand | delivereddate |
|------|-------|----------|-------|---------------|
| S | purple | female | Peter England | 2023-05-10 01:19:18 |
| M | purple | female | Peter England | 2023-05-10 01:19:49 |

## 4. Which customer has most orders ?

```sql
1 SELECT cust.fullname AS customername , COUNT(*) AS totalorder
2 FROM orders ordr , customeraddress caddress , customer cust
3 WHERE ( ordr.customeraddress_id = caddress.id ) AND ( caddress.customer_id = cust.id ) AND ordr.isdeleted = 0 AND caddress.isdeleted = 0 AND cust.isdeleted = 0
4 GROUP BY cust.fullname
5 ORDER BY COUNT(*) DESC
6 LIMIT 1  ;
7
8|
```

customer (1r × 2c)

| customername | totalorder |
|---|---|
| Saumyashree Bhoi | 8 |

## 5. What is the most selling product?

```sql
1 SELECT prod.name AS productname , COUNT(*)
2 FROM product prod
3 JOIN variants vari ON ( vari.isdeleted = 0 AND vari.product_id = prod.id )
4 JOIN orderdetails odetail ON ( odetail.isdeleted = 0 AND odetail.variants_id = vari.id )
5 WHERE prod.isdeleted = 0
6 GROUP BY prod.name
7 ORDER BY COUNT(*) DESC
8 LIMIT 1 ;
9|
```

product (1r × 2c)

| productname | COUNT(*) |
|---|---|
| Women Printed Pure Cotton Anarkali kurtis | 4 |

*6. Write a query to fetch all the customers who has more than 2 products in their cart ?*

```sql
1
2 SELECT cust.id AS customerid , cust.fullname AS NAME , COUNT(*) AS cartquantity
3 FROM customer cust
4 JOIN cart car ON ( car.isdeleted = 0 AND car.customer_id = cust.id )
5 WHERE cust.isdeleted = 0
6 GROUP BY car.customer_id
7 HAVING COUNT(*)>2 ;
```

customer (1r × 3c)

| customerid | NAME | cartquantity |
|---|---|---|
| 6 | Ananya swain | 3 |

*7. Write a query to fetch all the product details which are colour blue and size L ?*

```sql
1 SELECT vari.* , siz.size as size , col.name as color , weight.name as weighttype , prod.name AS NAME ,
2 prod.description AS DESCRIPTION , prod.productnumber as productnumber , sub.name AS subtypename ,
3 mat.name AS material , cat.name AS category , wash.type AS washcare , brnd.name AS brand
4 FROM product prod
5 JOIN variants vari ON (vari.isdeleted = 0 AND vari.product_id = prod.id )
6 JOIN size siz ON (siz.isdeleted = 0 AND vari.size_id = siz.id)
7 JOIN color col ON (col.isdeleted = 0 AND vari.color_id = col.id)
8 JOIN weighttype weight ON (weight.isdeleted = 0 AND vari.weighttype_id = weight.id )
9 JOIN subtype sub ON ( sub.isdeleted = 0 AND prod.subtype_id = sub.id )
10 JOIN material mat ON ( mat.isdeleted = 0 AND prod.material_id = mat.id )
11 JOIN category cat ON ( cat.isdeleted = 0 AND prod.category_id = cat.id )
12 JOIN washcare wash ON ( wash.isdeleted = 0 AND prod.washcare_id = wash.id )
13 JOIN brand brnd ON ( brnd.isdeleted = 0 AND prod.brand_id = brnd.id )
14 WHERE siz.size='L' AND col.name='blue' AND prod.isdeleted = 0 ;
15
```

| id | createdat | isdeleted | updatedat | mrp | sellingprice | product_id | size_id | color_id | weighttype_id | weight | quantity | size | color | weighttype | NAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 2023-05-09 11:13:33 | 0 | 2023-05-09 11:13:33 | 799.0 | 599.0 | 1 | 3 | 5 | 2 | 210 | 10 | L | blue | gram | Solid Men Polo Neck Black T-S |
| 14 | 2023-05-09 11:21:33 | 0 | 2023-05-09 11:21:33 | 799.0 | 599.0 | 7 | 3 | 5 | 2 | 310 | 10 | L | blue | gram | Men cotton formal Shirt |

| NAME | DESCRIPTION | productnumber | subtypename | material | category | washcare | brand |
|---|---|---|---|---|---|---|---|
| Solid Men Polo Neck Black T-Shirt | the total value of items is more than Rs ... | ORDC75567 | tee shirts | cotton | male | detergent | adidas |
| Men cotton formal Shirt | the total value of items is more than Rs ... | GUTRO29703 | shirts | cotton | male | normal wash | Lee |

*8. Write a Query to fetch customer Details for Designer?*

```
1 SELECT DISTINCT cust.* , caddress.addressline1 ,
2 caddress.addressline2 , caddress.landmark , caddress.city , caddress.state , caddress.country , caddress.pincode
3 FROM customer cust
4 JOIN customeraddress caddress ON (caddress.isdeleted=0 AND caddress.customer_id = cust.id)
5 JOIN orders ordr ON (ordr.isdeleted = 0 AND ordr.customeraddress_id = caddress.id)
6 JOIN orderdetails odetail ON (odetail.isdeleted = 0 AND odetail.orders_id = ordr.id)
7 JOIN variants vari ON (vari.isdeleted = 0 AND odetail.variants_id = vari.id)
8 JOIN product prod ON (prod.isdeleted = 0 AND vari.product_id = prod.id)
9 JOIN brand brnd ON (brnd.isdeleted = 0 AND prod.brand_id = brnd.id)
10 JOIN designer design ON (design.isdeleted = 0 AND brnd.designer_id=design.id)
11 WHERE design.id = 4 AND cust.isdeleted = 0 ;
12
13
```

| id | createdat | isdeleted | updatedat | fullname | email | password | mobileno | addressline1 | addressline2 | landmark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2023-05-07 04:36:18 | 0 | 2023-05-07 04:36:18 | Saumyashree Bhoi | gsaumya486@gmail.com | Saumya@486 | 6372798819 | Talakurunia | Gopalpur | near jagannath temple |
| 2 | 2023-05-07 04:40:25 | 0 | 2023-05-07 04:40:25 | Subhashree Behera | bsubhashree823@gmail.com | Deepa@823 | 7853860690 | Sabira | Soro | near college |
| 3 | 2023-05-07 04:42:12 | 0 | 2023-05-07 04:42:12 | Prasant Sahoo | prasant123@gmail.com | prasant@456 | 7328566111 | Kharghar | Navi Mumbai | Hospital road |
| 5 | 2023-05-07 04:44:17 | 0 | 2023-05-07 04:44:17 | Alok Mohanty | alok4444@gmail.com | Alokz@333 | 7563210955 | Rasalpur | Remuna | Bakery kane |

| landmark | city | state | country | pincode |
|---|---|---|---|---|
| near jagannath temple | Balasore | Odisha | India | 756044 |
| near college | Balasore | Odisha | India | 756048 |
| Hospital road | Mumbai | Maharastra | India | 752008 |
| Bakery kane | Balasore | Odisha | India | 756010 |

*9. Write a Query to fetch product details for Designer?*

```sql
SELECT prod.*  , sub.name AS subtype , mat.name AS material , wash.type AS washcare , gender.name AS category , brnd.name AS brand
FROM product prod
JOIN brand brnd ON (brnd.isdeleted=0 AND brnd.id=prod.brand_id)
JOIN designer design ON (design.isdeleted =0 AND design.id=brnd.designer_id)
JOIN subtype sub ON ( sub.isdeleted = 0 AND sub.id = prod.subtype_id )
JOIN material mat ON ( mat.isdeleted = 0 AND mat.id = prod.material_id )
JOIN washcare wash ON ( wash.isdeleted = 0 AND wash.id = prod.washcare_id )
JOIN category gender ON ( gender.isdeleted = 0 AND gender.id = prod.category_id )
WHERE design.id = 5 AND prod.isdeleted = 0 ;
```

| id | createdat | isdeleted | updatedat | name | description | productnumber | subtype_id | material_id | washcare_id | category_id |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2023-05-08 05:20:30 | 0 | 2023-05-08 05:20:30 | REDMI 10 Power | You can get a lot done every day using ... | ORDMI928769 | 13 | 6 | 6 | 5 |
| 6 | 2023-05-09 10:26:17 | 0 | 2023-05-09 10:26:17 | REDMI note 8 | You can get a lot done every day using ... | KLERP63846 | 13 | 6 | 6 | 5 |

| brand_id | subtype | material | washcare | category | brand |
|---|---|---|---|---|---|
| 5 | mobiles | not applicable | not applicable | not applicable | Xiaomi |
| 5 | mobiles | not applicable | not applicable | not applicable | Xiaomi |

## 10. Write a Query to fetch Order Details for customer?

```sql
1 SELECT odetail.* , str.name AS store , prod.name AS product , siz.size AS size , col.name AS color
2 FROM orderdetails odetail
3 JOIN orders ordr ON (ordr.isdeleted=0 AND ordr.id=odetail.orders_id)
4 JOIN customeraddress caddress ON (caddress.isdeleted =0 AND caddress.id=ordr.customeraddress_id)
5 JOIN customer custmr ON (custmr.isdeleted = 0 AND custmr.id=caddress.customer_id)
6 JOIN store str ON (str.isdeleted = 0 AND str.id=odetail.store_id)
7 JOIN variants vari ON ( vari.isdeleted = 0 AND vari.id = odetail.variants_id )
8 JOIN product prod ON ( prod.isdeleted = 0 AND prod.id = vari.product_id )
9 JOIN size siz ON ( siz.isdeleted = 0 AND siz.id = vari.size_id )
10 JOIN color col ON ( col.isdeleted = 0 AND col.id = vari.color_id )
11 WHERE custmr.id = 1 AND odetail.isdeleted = 0
12 ORDER BY id ASC ;|
```

| id | createdat | isdeleted | updatedat | quantity | expecteddeliverydate | orders_id | variants_id | totalprice | store_id | store | product | size | color |
|----|-----------|-----------|-----------|----------|----------------------|-----------|-------------|------------|----------|-------|---------|------|-------|
| 1 | 2023-05-08 05:46:23 | 0 | 2023-05-08 05:46:23 | 1 | 2023-05-10 00:00:00 | 1 | 1 | 599 | 1 | sbd textile | Solid Men Polo Neck Black T-Shirt | L | black |
| 7 | 2023-04-09 01:29:25 | 0 | 2023-04-09 01:29:25 | 1 | 2023-04-15 00:00:00 | 6 | 6 | 799 | 2 | NTK fashion | Trendy Sports Running Shoes | 8 | black |
| 8 | 2023-01-05 01:29:25 | 0 | 2023-01-05 01:29:25 | 1 | 2023-01-12 00:00:00 | 7 | 6 | 799 | 2 | NTK fashion | Trendy Sports Running Shoes | 8 | black |
| 12 | 2022-11-26 01:29:25 | 0 | 2022-11-26 01:29:25 | 1 | 2022-11-30 00:00:00 | 11 | 12 | 399 | 4 | Rk fashion | Women Printed Pure Cotton Anarkali kurtis | L | purple |
| 20 | 2023-01-11 21:31:43 | 0 | 2023-01-11 21:31:52 | 1 | 2023-01-12 01:31:58 | 21 | 6 | 799 | 3 | DDL fashion | Trendy Sports Running Shoes | 8 | black |
| 21 | 2023-02-11 21:34:09 | 0 | 2023-02-11 21:34:09 | 1 | 2023-02-20 21:34:09 | 22 | 6 | 799 | 2 | NTK fashion | Trendy Sports Running Shoes | 8 | black |

## 11. Write a Query to fetch variants based on product?

**Query-1**

```sql
1 SELECT vari.*, prod.name as product , siz.size AS size , col.name AS color , weight.name AS weighttype
2 FROM variants vari
3 JOIN product prod ON (prod.isdeleted = 0 AND prod.id = vari.product_id)
4 JOIN size siz ON(siz.isdeleted = 0 AND siz.id = vari.size_id)
5 JOIN color col ON(col.isdeleted = 0 AND col.id = vari.color_id)
6 JOIN weighttype weight ON(weight.isdeleted = 0 AND weight.id = vari.weighttype_id)
7 WHERE prod.id=1 AND vari.isdeleted = 0
8 ORDER BY id ASC;
9 .
```

| | createdat | isdeleted | updatedat | mrp | sellingprice | product_id | | size_id | color_id | weighttype_id | weight | quantity | product | size | color | weightt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2023-05-07 11:24:04 | 0 | 2023-05-07 11:24:04 | 799.0 | 599.0 | 1 | | 3 | 1 | 2 | 210 | 20 | Solid Men Polo Neck Black T-Shirt | L | black | gram |
| 2 | 2023-05-07 11:25:55 | 0 | 2023-05-07 11:25:55 | 799.0 | 599.0 | 1 | | 4 | 2 | 2 | 210 | 10 | Solid Men Polo Neck Black T-Shirt | XL | red | gram |
| 13 | 2023-05-09 11:13:33 | 0 | 2023-05-09 11:13:33 | 799.0 | 599.0 | 1 | | 3 | 5 | 2 | 210 | 10 | Solid Men Polo Neck Black T-Shirt | L | blue | gram |
| 16 | 2023-05-10 18:36:08 | 0 | 2023-05-10 18:36:08 | 799.0 | 599.0 | 1 | | 2 | 8 | 2 | 210 | 4 | Solid Men Polo Neck Black T-Shirt | M | white | gram |
| 17 | 2023-05-10 18:37:18 | 0 | 2023-05-10 18:37:18 | 799.0 | 599.0 | 1 | | 1 | 4 | 2 | 210 | 4 | Solid Men Polo Neck Black T-Shirt | S | green | gram |
| 18 | 2023-05-10 18:45:38 | 0 | 2023-05-10 18:45:38 | 799.0 | 599.0 | 1 | | 5 | 3 | 2 | 210 | 5 | Solid Men Polo Neck Black T-Shirt | XXL | yellow | gram |

## 12. Write a Query to search a product based on name?
### QUERY - 1

```sql
1 SELECT prod.*, sub.name AS subtype , mat.name AS material , wash.type AS washcare , cat.name AS category , brnd.name AS brand
2 FROM product prod
3 JOIN subtype sub ON (sub.isdeleted = 0 AND sub.id = prod.subtype_id)
4 JOIN material mat ON(mat.isdeleted = 0 AND mat.id = prod.material_id)
5 JOIN washcare wash ON(wash.isdeleted = 0 AND wash.id = prod.washcare_id)
6 JOIN category cat ON(cat.isdeleted = 0 AND cat.id = prod.category_id)
7 JOIN brand brnd ON(brnd.isdeleted = 0 AND brnd.id=prod.brand_id)
8 WHERE prod.name LIKE '%%' AND prod.isdeleted = 0 ;
```

| id | createdat | isdeleted | updatedat | name | description | productnumber | subtype_id | material_id | washcare_id |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2023-05-08 05:18:53 | 0 | 2023-05-08 05:18:53 | Solid Men Polo Neck Black T-Shirt | the total value of items is more than Rs ... | ORDC75567 | 4 | 1 | 1 |
| 2 | 2023-05-08 05:20:30 | 0 | 2023-05-08 05:20:30 | REDMI 10 Power | You can get a lot done every day using ... | ORDMI928769 | 13 | 6 | 6 |
| 3 | 2023-05-08 05:22:17 | 0 | 2023-05-08 05:22:17 | Trendy Sports Running Shoes | Allow your pair of shoes toir and de-odori... | OLMAY0980769 | 8 | 4 | 2 |
| 4 | 2023-05-08 05:23:40 | 0 | 2023-05-08 05:23:40 | Woven Kanjivaram Pure Silk, Art Silk Sar... | This women ethnic fashion saree is goo... | ORTAY0983202 | 5 | 2 | 2 |
| 5 | 2023-05-08 05:24:41 | 0 | 2023-05-08 05:24:41 | Women Printed Pure Cotton Anarkali kurtis | This women ethnic kurtis is good in color... | KLATXY0989315 | 6 | 1 | 4 |
| 6 | 2023-05-09 10:26:17 | 0 | 2023-05-09 10:26:17 | REDMI note 8 | You can get a lot done every day using ... | KLERP63846 | 13 | 6 | 6 |
| 7 | 2023-05-09 11:20:24 | 0 | 2023-05-09 11:20:24 | Men cotton formal Shirt | the total value of items is more than Rs ... | GUTRO29703 | 1 | 1 | 2 |

| washcare_id | category_id | brand_id | subtype | material | washcare | category | brand |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | tee shirts | cotton | detergent | male | adidas |
| 6 | 5 | 5 | mobiles | not applicable | not applicable | not applicable | Xiaomi |
| 2 | 1 | 2 | sports shoes | leather | normal wash | male | NIKE |
| 2 | 2 | 3 | saree | silk | normal wash | female | Lee |
| 4 | 2 | 4 | kurtis | cotton | super white wash | female | Peter England |
| 6 | 5 | 5 | mobiles | not applicable | not applicable | not applicable | Xiaomi |
| 2 | 1 | 3 | shirts | cotton | normal wash | male | Lee |

**QUERY-2**

```
1 SELECT prod.*, sub.name AS subtype , mat.name AS material , wash.type AS washcare , cat.name AS category , brnd.name AS brand
2 FROM product prod
3 JOIN subtype sub ON (sub.isdeleted = 0 AND sub.id = prod.subtype_id)
4 JOIN material mat ON(mat.isdeleted = 0 AND mat.id = prod.material_id)
5 JOIN washcare wash ON(wash.isdeleted = 0 AND wash.id = prod.washcare_id)
6 JOIN category cat ON(cat.isdeleted = 0 AND cat.id = prod.category_id)
7 JOIN brand brnd ON(brnd.isdeleted = 0 AND brnd.id=prod.brand_id)
8 WHERE prod.name LIKE '%redmi%' AND prod.isdeleted = 0 ;
```

| id | createdat | isdeleted | updatedat | name | description | productnumber | subtype_id | material_id | washcare_id | category_id | brand_id |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2023-05-08 05:20:30 | 0 | 2023-05-08 05:20:30 | REDMI 10 Power | You can get a lot done every day using ... | ORDMI928769 | 13 | 6 | 6 | 5 | 5 |
| 6 | 2023-05-09 10:26:17 | 0 | 2023-05-09 10:26:17 | REDMI note 8 | You can get a lot done every day using ... | KLERP63846 | 13 | 6 | 6 | 5 | 5 |

| subtype | material | washcare | category | brand |
|---|---|---|---|---|
| mobiles | not applicable | not applicable | not applicable | Xiaomi |
| mobiles | not applicable | not applicable | not applicable | Xiaomi |

13. Write a Query to get all order Details of customer for designer?

    **Response :**
    Order No
    Product No
    Order Id
    Product Id
    Order Status
    customer Details
    Order Details (if order status is delivered then order details should be present otherwise it should be null)

(Case when status.name ='delivered' then orderdetails.id else null end) as orderid

```sql
  2 cust.fullname as customername , cust.email AS email , cust.mobileno AS contactnumber , caddress.addressline1 ,
  3 caddress.addressline2 , caddress.landmark , caddress.city , caddress.state , caddress.country , caddress.pincode ,
  4 ( Case when sts.name ='delivered' then odetail.id else null END ) AS orderdetailsid ,
  5 ( case when sts.name = 'delivered' then odetail.variants_id ELSE NULL END ) AS variantsid ,
  6 ( case when sts.name = 'delivered' then ship.createdat ELSE NULL END ) AS delivered
  7 FROM orderdetails odetail
  8 JOIN orders ordr ON ( ordr.isdeleted = 0 AND odetail.orders_id = ordr.id )
  9 JOIN shipment ship ON ( ship.isdeleted = 0 AND ship.orderdetails_id = odetail.id )
 10 JOIN status sts ON ( sts.isdeleted = 0 AND ship.status_id = sts.id )
 11 JOIN customeraddress caddress ON ( caddress.isdeleted = 0 AND ordr.customeraddress_id = caddress.id )
 12 JOIN customer cust ON ( caddress.customer_id = cust.id )
 13 JOIN variants vari ON ( vari.isdeleted = 0 AND odetail.variants_id = vari.id )
 14 JOIN product prod ON (prod.isdeleted = 0 AND vari.product_id = prod.id )
 15 JOIN brand brnd ON ( brnd.isdeleted = 0 AND prod.brand_id = brnd.id )
 16 JOIN designer design ON ( design.isdeleted = 0 AND design.id = brnd.designer_id )
 17 WHERE design.id = 2 AND odetail.isdeleted = 0 AND odetail.isdeleted = 0 ;
 18
```

| id | createdat | isdeleted | updatedat | quantity | expecteddeliverydate | orders_id | variants_id | totalprice | store_id | ordernumber | productnumber | productid | status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 2023-05-08 06:00:47 | 0 | 2023-05-08 06:00:47 | 1 | 2023-05-12 00:00:00 | 4 | 8 | 1,199 | 3 | GDHXZ87279 | ORTAY0983202 | 4 | order confirmed |
| 4 | 2023-05-08 06:00:47 | 0 | 2023-05-08 06:00:47 | 1 | 2023-05-12 00:00:00 | 4 | 8 | 1,199 | 3 | GDHXZ87279 | ORTAY0983202 | 4 | ready to dispatch |
| 4 | 2023-05-08 06:00:47 | 0 | 2023-05-08 06:00:47 | 1 | 2023-05-12 00:00:00 | 4 | 8 | 1,199 | 3 | GDHXZ87279 | ORTAY0983202 | 4 | dispatch |
| 4 | 2023-05-08 06:00:47 | 0 | 2023-05-08 06:00:47 | 1 | 2023-05-12 00:00:00 | 4 | 8 | 1,199 | 3 | GDHXZ87279 | ORTAY0983202 | 4 | out for delivery |
| 4 | 2023-05-08 06:00:47 | 0 | 2023-05-08 06:00:47 | 1 | 2023-05-12 00:00:00 | 4 | 8 | 1,199 | 3 | GDHXZ87279 | ORTAY0983202 | 4 | delivered |
| 10 | 2023-03-12 01:29:25 | 0 | 2023-03-12 01:29:25 | 1 | 2023-03-20 00:00:00 | 9 | 8 | 1,199 | 4 | ADFSR99900 | ORTAY0983202 | 4 | order confirmed |
| 10 | 2023-03-12 01:29:25 | 0 | 2023-03-12 01:29:25 | 1 | 2023-03-20 00:00:00 | 9 | 8 | 1,199 | 4 | ADFSR99900 | ORTAY0983202 | 4 | ready to dispatch |
| 10 | 2023-03-12 01:29:25 | 0 | 2023-03-12 01:29:25 | 1 | 2023-03-20 00:00:00 | 9 | 8 | 1,199 | 4 | ADFSR99900 | ORTAY0983202 | 4 | dispatch |
| 10 | 2023-03-12 01:29:25 | 0 | 2023-03-12 01:29:25 | 1 | 2023-03-20 00:00:00 | 9 | 8 | 1,199 | 4 | ADFSR99900 | ORTAY0983202 | 4 | out for delivery |
| 10 | 2023-03-12 01:29:25 | 0 | 2023-03-12 01:29:25 | 1 | 2023-03-20 00:00:00 | 9 | 8 | 1,199 | 4 | ADFSR99900 | ORTAY0983202 | 4 | delivered |

| customername | email | contactnumber | addressline1 | addressline2 | landmark | city | state | country | pincode | orderdetailsid | variantsid | delivered |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Abhisek Behera | abhi006@gmail.com | 8984562310 | Anantpur | Soro | infront of masjid | Balasore | Odisha | India | 756045 | (NULL) | (NULL) | (NULL) |
| Abhisek Behera | abhi006@gmail.com | 8984562310 | Anantpur | Soro | infront of masjid | Balasore | Odisha | India | 756045 | (NULL) | (NULL) | (NULL) |
| Abhisek Behera | abhi006@gmail.com | 8984562310 | Anantpur | Soro | infront of masjid | Balasore | Odisha | India | 756045 | (NULL) | (NULL) | (NULL) |
| Abhisek Behera | abhi006@gmail.com | 8984562310 | Anantpur | Soro | infront of masjid | Balasore | Odisha | India | 756045 | (NULL) | (NULL) | (NULL) |
| Abhisek Behera | abhi006@gmail.com | 8984562310 | Anantpur | Soro | infront of masjid | Balasore | Odisha | India | 756045 | 4 | 8 | 2023-05-09 01:18:41 |
| Alok Mohanty | alok4444@gmail.com | 7563210955 | Rasalpur | Remuna | Bakery kane | Balasore | Odisha | India | 756010 | (NULL) | (NULL) | (NULL) |
| Alok Mohanty | alok4444@gmail.com | 7563210955 | Rasalpur | Remuna | Bakery kane | Balasore | Odisha | India | 756010 | (NULL) | (NULL) | (NULL) |
| Alok Mohanty | alok4444@gmail.com | 7563210955 | Rasalpur | Remuna | Bakery kane | Balasore | Odisha | India | 756010 | (NULL) | (NULL) | (NULL) |
| Alok Mohanty | alok4444@gmail.com | 7563210955 | Rasalpur | Remuna | Bakery kane | Balasore | Odisha | India | 756010 | (NULL) | (NULL) | (NULL) |
| Alok Mohanty | alok4444@gmail.com | 7563210955 | Rasalpur | Remuna | Bakery kane | Balasore | Odisha | India | 756010 | 10 | 8 | 2023-03-19 01:29:25 |

## 14. Write a Query to fetch Product Details based on (Store Or Designer Or Both)?

```sql
1  SELECT prod.id as productid , str.id AS storeid , prod.name AS NAME , prod.description AS DESCRIPTION , siz.size as size ,
2  col.name as color , weight.name as weighttype , vari.weight AS weight , prod.productnumber as productnumber , sub.name AS subtypename ,
3  mat.name AS material , cat.name AS category , wash.type AS washcare , brnd.name AS brand , inven.quantity AS quantity , vari.mrp AS mrp ,
4  vari.sellingprice AS sellingprice , vari.product_id AS productid , vari.size_id AS sizeid , vari.color_id AS colorid , vari.weighttype_id AS weighttypeid
5  FROM product prod
6  JOIN variants vari ON (vari.isdeleted = 0 AND vari.product_id = prod.id )
7  JOIN inventory inven ON ( inven.isdeleted = 0 AND inven.variants_id = vari.id )
8  JOIN store str ON ( str.isdeleted = 0 AND inven.store_id = str.id )
9  JOIN size siz ON (siz.isdeleted = 0 AND vari.size_id = siz.id)
10 JOIN color col ON (col.isdeleted = 0 AND vari.color_id = col.id)
11 JOIN weighttype weight ON (weight.isdeleted = 0 AND vari.weighttype_id = weight.id )
12 JOIN subtype sub ON ( sub.isdeleted = 0 AND prod.subtype_id = sub.id )
13 JOIN material mat ON ( mat.isdeleted = 0 AND prod.material_id = mat.id )
14 JOIN category cat ON ( cat.isdeleted = 0 AND prod.category_id = cat.id )
15 JOIN washcare wash ON ( wash.isdeleted = 0 AND prod.washcare_id = wash.id )
16 JOIN brand brnd ON ( brnd.isdeleted = 0 AND prod.brand_id = brnd.id )
17 JOIN designer design ON ( design.isdeleted = 0 AND brnd.designer_id = design.id )
18 WHERE (str.id = 1 OR design.id = 1 OR (str.id = 9 AND design.id = 1))  AND vari.isdeleted = 0 ;
19
```

| productid | storeid | NAME | DESCRIPTION | size | color | weighttype | weight | productnumber | subtypename | material | category | washcare |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 1 | Women Printed Pure Cotton Anarkali kurtis | This women ethinic kurtis is good in color... | M | purple | gram | 100 | KLATXY0989315 | kurtis | cotton | female | super whit |
| 5 | 1 | Women Printed Pure Cotton Anarkali kurtis | This women ethinic kurtis is good in color... | L | purple | gram | 100 | KLATXY0989315 | kurtis | cotton | female | super whit |
| 1 | 1 | Solid Men Polo Neck Black T-Shirt | the total value of items is more than Rs ... | L | black | gram | 210 | ORDC75567 | tee shirts | cotton | male | detergent |
| 1 | 1 | Solid Men Polo Neck Black T-Shirt | the total value of items is more than Rs ... | M | white | gram | 210 | ORDC75567 | tee shirts | cotton | male | detergent |
| 1 | 1 | Solid Men Polo Neck Black T-Shirt | the total value of items is more than Rs ... | XXL | yellow | gram | 210 | ORDC75567 | tee shirts | cotton | male | detergent |
| 3 | 2 | Trendy Sports Running Shoes | Allow your pair of shoes toir and de-odori... | 7 | white | gram | 400 | OLMAY0980769 | sports shoes | leather | male | normal wa |
| 3 | 2 | Trendy Sports Running Shoes | Allow your pair of shoes toir and de-odori... | 8 | black | gram | 400 | OLMAY0980769 | sports shoes | leather | male | normal wa |
| 3 | 2 | Trendy Sports Running Shoes | Allow your pair of shoes toir and de-odori... | 9 | white | gram | 400 | OLMAY0980769 | sports shoes | leather | male | normal wa |
| 3 | 3 | Trendy Sports Running Shoes | Allow your pair of shoes toir and de-odori... | 7 | white | gram | 400 | OLMAY0980769 | sports shoes | leather | male | normal wa |

| category | washcare | brand | quantity | mrp | sellingprice | productid 🔑 | sizeid | colorid | weighttypeid |
|---|---|---|---|---|---|---|---|---|---|
| female | super white wash | Peter England | 10 | 599.0 | 399.0 | 5 | 2 | 6 | 2 |
| female | super white wash | Peter England | 10 | 599.0 | 399.0 | 5 | 3 | 6 | 2 |
| male | detergent | adidas | 10 | 799.0 | 599.0 | 1 | 3 | 1 | 2 |
| male | detergent | adidas | 2 | 799.0 | 599.0 | 1 | 2 | 8 | 2 |
| male | detergent | adidas | 2 | 799.0 | 599.0 | 1 | 5 | 3 | 2 |
| male | normal wash | NIKE | 10 | 999.0 | 799.0 | 3 | 13 | 8 | 2 |
| male | normal wash | NIKE | 10 | 999.0 | 799.0 | 3 | 14 | 1 | 2 |
| male | normal wash | NIKE | 10 | 999.0 | 799.0 | 3 | 15 | 8 | 2 |
| male | normal wash | NIKE | 10 | 999.0 | 799.0 | 3 | 13 | 8 | 2 |

*15. Write a Query to fetch ratings and reviews based on customer Or Designer? (if customer id is present but review are not present)*

```
1 #15. Write a Query to fetch ratings and reviews based on customer Or Designer? (if customer id is present but review are not present)
2 SELECT rating.* , brnd.name AS brandname , design.name AS designer , cust.fullname AS customer
3 FROM ratingsandreviews rating
4 LEFT JOIN customer cust ON ( cust.isdeleted = 0 AND rating.customer_id = cust.id )
5 JOIN orderdetails odetail ON ( odetail.isdeleted = 0 AND rating.orderdetails_id=odetail.id )
6 JOIN variants vari ON ( vari.isdeleted = 0 AND odetail.variants_id = vari.id )
7 JOIN product prod ON ( prod.isdeleted = 0 AND vari.product_id = prod.id )
8 JOIN brand brnd ON ( brnd.isdeleted = 0 AND prod.brand_id = brnd.id )
9 JOIN designer design ON ( design.isdeleted = 0 AND brnd.designer_id = design.id )
10 WHERE ( cust.id = 1 OR design.id = 4 ) AND rating.isdeleted = 0 ;
11
12
```

Result #1 (7r × 11c)

| id 🔑 | createdat | isdeleted | updatedat | rating | comment | orderdetails_id 🔑 | customer_id | brandname | designer | customer |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2023-05-08 06:18:56 | 0 | 2023-05-08 06:18:56 | 4.0 | good | 1 | 1 | adidas | Adolf Dassler | Saumyashree Bhoi |
| 5 | 2023-05-08 06:18:56 | 0 | 2023-05-08 06:18:56 | 4.0 | NULL | 5 | 5 | Peter England | Mr. Kumar Mangalam Birla | Alok Mohanty |
| 6 | 2023-05-08 06:18:56 | 0 | 2023-05-08 06:18:56 | 4.0 | good | 6 | 5 | Peter England | Mr. Kumar Mangalam Birla | Alok Mohanty |
| 7 | 2023-05-09 05:10:16 | 0 | 2023-05-09 05:10:16 | 3.7 | average | 7 | 1 | NIKE | Bill Bowerman | Saumyashree Bhoi |
| 10 | 2023-01-13 00:00:00 | 0 | 2023-01-13 00:00:00 | 3.7 | NULL | 8 | 1 | NIKE | Bill Bowerman | Saumyashree Bhoi |
| 13 | 2022-01-02 01:29:25 | 0 | 2023-01-02 01:29:25 | 4.2 | NULL | 11 | 3 | Peter England | Mr. Kumar Mangalam Birla | Prasant Sahoo |
| 14 | 2022-12-05 00:00:00 | 0 | 2022-12-05 01:29:25 | 3.5 | good | 12 | 1 | Peter England | Mr. Kumar Mangalam Birla | Saumyashree Bhoi |

*16. Write a Query to update after 5 number rows, isdeleted = 1 for Order Details table?*

```
1 UPDATE orderdetails
2 SET isdeleted = 1
3 WHERE id > 5 ;
```

| id | createdat | isdeleted | updatedat | quantity | expecteddeliverydate | orders_id | variants_id | totalprice | store_id |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2023-05-08 05:46:23 | 0 | 2023-05-08 05:46:23 | 1 | 2023-05-10 00:00:00 | 1 | 1 | 599 | 1 |
| 2 | 2023-05-08 05:55:25 | 0 | 2023-05-08 05:55:25 | 1 | 2023-05-08 00:00:00 | 2 | 3 | 11,499 | 5 |
| 3 | 2023-05-08 05:58:59 | 0 | 2023-05-08 05:58:59 | 1 | 2023-05-15 00:00:00 | 3 | 5 | 799 | 2 |
| 4 | 2023-05-08 06:00:47 | 0 | 2023-05-08 06:00:47 | 1 | 2023-05-12 00:00:00 | 4 | 8 | 1,199 | 3 |
| 5 | 2023-05-08 06:02:23 | 0 | 2023-05-08 06:02:23 | 1 | 2023-05-12 00:00:00 | 5 | 10 | 399 | 4 |
| 6 | 2023-05-08 06:05:08 | 1 | 2023-05-08 06:05:08 | 1 | 2023-05-12 00:00:00 | 5 | 11 | 399 | 4 |
| 7 | 2023-04-09 01:29:25 | 1 | 2023-04-09 01:29:25 | 1 | 2023-04-15 00:00:00 | 6 | 6 | 799 | 2 |
| 8 | 2023-01-05 01:29:25 | 1 | 2023-01-05 01:29:25 | 1 | 2023-01-12 00:00:00 | 7 | 6 | 799 | 2 |
| 9 | 2023-02-20 01:29:25 | 1 | 2023-02-20 01:29:25 | 1 | 2023-02-25 00:00:00 | 8 | 1 | 599 | 2 |
| 10 | 2023-03-12 01:29:25 | 1 | 2023-03-12 01:29:25 | 1 | 2023-03-20 00:00:00 | 9 | 8 | 1,199 | 4 |
| 11 | 2022-12-26 01:29:25 | 1 | 2022-12-26 01:29:25 | 1 | 2022-12-31 00:00:00 | 10 | 11 | 399 | 3 |
| 12 | 2022-11-26 01:29:25 | 1 | 2022-11-26 01:29:25 | 1 | 2022-11-30 00:00:00 | 11 | 12 | 399 | 4 |
| 13 | 2022-10-28 01:29:25 | 1 | 2022-10-28 01:29:25 | 1 | 2022-10-31 01:29:25 | 14 | 17 | 599 | 2 |
| 14 | 2022-11-28 01:29:25 | 1 | 2022-11-28 01:29:25 | 1 | 2022-11-30 01:29:25 | 15 | 13 | 599 | 2 |
| 15 | 2023-01-01 01:29:25 | 1 | 2023-01-01 01:29:25 | 1 | 2023-11-06 01:29:25 | 16 | 18 | 599 | 1 |
| 16 | 2023-02-01 01:29:25 | 1 | 2023-02-01 01:29:25 | 1 | 2023-02-06 01:29:25 | 17 | 2 | 599 | 1 |
| 17 | 2023-03-02 01:29:25 | 1 | 2023-03-02 01:29:25 | 1 | 2023-03-09 01:29:25 | 18 | 2 | 599 | 1 |
| 18 | 2023-04-02 01:29:25 | 1 | 2023-04-02 01:29:25 | 1 | 2023-04-10 01:29:25 | 19 | 2 | 599 | 1 |
| 19 | 2023-04-12 01:29:25 | 1 | 2023-04-12 01:29:25 | 1 | 2023-04-18 01:29:25 | 20 | 2 | 599 | 1 |
| 20 | 2023-01-11 21:31:43 | 1 | 2023-01-11 21:31:52 | 1 | 2023-01-12 01:31:58 | 21 | 6 | 799 | 3 |
| 21 | 2023-02-11 21:34:09 | 1 | 2023-02-11 21:34:09 | 1 | 2023-02-20 21:34:09 | 22 | 6 | 799 | 2 |
| 22 | 2023-03-11 21:34:09 | 1 | 2023-03-11 21:34:09 | 1 | 2023-03-19 21:34:09 | 23 | 6 | 799 | 2 |
| 23 | 2022-12-12 21:42:57 | 1 | 2022-12-12 21:43:08 | 1 | 2022-12-20 21:43:17 | 24 | 5 | 799 | 3 |
| 24 | 2023-04-20 21:46:07 | 1 | 2023-04-20 21:46:07 | 1 | 2023-04-25 21:46:07 | 25 | 5 | 799 | 3 |
| 25 | 2023-04-20 21:46:07 | 1 | 2023-04-20 21:46:07 | 1 | 2023-04-27 21:46:07 | 25 | 11 | 399 | 2 |
| 26 | 2023-03-22 21:54:20 | 1 | 2023-03-22 21:54:20 | 1 | 2023-03-28 21:54:20 | 26 | 8 | 1,199 | 2 |
| 27 | 2023-03-22 21:54:20 | 1 | 2023-03-22 21:54:20 | 1 | 2023-03-30 21:54:20 | 26 | 11 | 399 | 1 |

*17. Write a Query to fetch shipment all data based on store or designer?*

```sql
1 #17. Write a Query to fetch shipment all data based on store or designer?
2 SELECT ship.* , sts.name AS status , prod.name AS productname
3 FROM shipment ship
4 JOIN status sts ON ( sts.isdeleted = 0 AND ship.status_id = sts.id )
5 JOIN orderdetails odetail ON ( odetail.isdeleted = 0  AND ship.orderdetails_id = odetail.id )
6 JOIN variants vari ON ( vari.isdeleted = 0 AND odetail.variants_id = vari.id )
7 JOIN inventory invent ON ( invent.isdeleted = 0 AND vari.id = invent.variants_id )
8 JOIN product prod ON ( prod.isdeleted = 0 AND vari.product_id = prod.id )
9 JOIN store stor ON ( stor.isdeleted = 0 AND invent.store_id = stor.id )
10 JOIN brand brnd ON ( brnd.isdeleted = 0 AND prod.brand_id = brnd.id )
11 JOIN designer design ON ( design.isdeleted = 0 AND brnd.designer_id = design.id )
12 WHERE ( stor.id = 3 OR design.id = 1 ) AND ship.isdeleted = 0
13 ORDER BY id ASC ;
14
```

Result #1 (25r × 9c)

| id | createdat | isdeleted | updatedat | orderdetails_id | status_id | logisticpartner | status | productname |
|----|-----------|-----------|-----------|-----------------|-----------|-----------------|--------|-------------|
| 3 | 2023-05-08 06:08:07 | 0 | 2023-05-08 06:08:07 | 3 | 1 | ekart | order confirmed | Trendy Sports Running Shoes |
| 4 | 2023-05-08 06:08:07 | 0 | 2023-05-08 06:08:07 | 4 | 1 | ekart | order confirmed | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 4 | 2023-05-08 06:08:07 | 0 | 2023-05-08 06:08:07 | 4 | 1 | ekart | order confirmed | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 9 | 2023-05-08 12:57:32 | 0 | 2023-05-08 12:57:32 | 3 | 2 | ekart | ready to dispatch | Trendy Sports Running Shoes |
| 10 | 2023-05-08 12:58:05 | 0 | 2023-05-08 12:58:05 | 4 | 2 | ekart | ready to dispatch | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 10 | 2023-05-08 12:58:05 | 0 | 2023-05-08 12:58:05 | 4 | 2 | ekart | ready to dispatch | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 15 | 2023-05-09 01:09:12 | 0 | 2023-05-09 01:09:12 | 3 | 3 | ekart | dispatch | Trendy Sports Running Shoes |
| 16 | 2023-05-09 01:09:50 | 0 | 2023-05-09 01:09:50 | 4 | 3 | ekart | dispatch | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 16 | 2023-05-09 01:09:50 | 0 | 2023-05-09 01:09:50 | 4 | 3 | ekart | dispatch | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 21 | 2023-05-09 01:14:13 | 0 | 2023-05-09 01:14:13 | 3 | 4 | ekart | out for delivery | Trendy Sports Running Shoes |
| 22 | 2023-05-09 01:14:43 | 0 | 2023-05-09 01:14:43 | 4 | 4 | ekart | out for delivery | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 22 | 2023-05-09 01:14:43 | 0 | 2023-05-09 01:14:43 | 4 | 4 | ekart | out for delivery | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 27 | 2023-05-09 01:17:54 | 0 | 2023-05-09 01:17:54 | 3 | 5 | ekart | delivered | Trendy Sports Running Shoes |
| 28 | 2023-05-09 01:18:41 | 0 | 2023-05-09 01:18:41 | 4 | 5 | ekart | delivered | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 28 | 2023-05-09 01:18:41 | 0 | 2023-05-09 01:18:41 | 4 | 5 | ekart | delivered | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 46 | 2023-03-12 01:29:25 | 0 | 2023-03-12 01:29:25 | 10 | 1 | ekart | order confirmed | Woven Kanjivaram Pure Silk, Art Silk Sar… |
| 46 | 2023-03-12 01:29:25 | 0 | 2023-03-12 01:29:25 | 10 | 1 | ekart | order confirmed | Woven Kanjivaram Pure Silk, Art Silk Sar… |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 47 | 2023-03-13 01:29:25 | 0 | 2023-03-13 01:29:25 | 10 | 2 | ekart | ready to dispatch | Woven Kanjivaram Pure Silk, Art Silk Sar... |
| 47 | 2023-03-13 01:29:25 | 0 | 2023-03-13 01:29:25 | 10 | 2 | ekart | ready to dispatch | Woven Kanjivaram Pure Silk, Art Silk Sar... |
| 48 | 2023-03-14 01:29:25 | 0 | 2023-03-14 01:29:25 | 10 | 3 | ekart | dispatch | Woven Kanjivaram Pure Silk, Art Silk Sar... |
| 48 | 2023-03-14 01:29:25 | 0 | 2023-03-14 01:29:25 | 10 | 3 | ekart | dispatch | Woven Kanjivaram Pure Silk, Art Silk Sar... |
| 49 | 2023-03-19 01:29:25 | 0 | 2023-03-19 01:29:25 | 10 | 4 | ekart | out for delivery | Woven Kanjivaram Pure Silk, Art Silk Sar... |
| 49 | 2023-03-19 01:29:25 | 0 | 2023-03-19 01:29:25 | 10 | 4 | ekart | out for delivery | Woven Kanjivaram Pure Silk, Art Silk Sar... |
| 50 | 2023-03-19 01:29:25 | 0 | 2023-03-19 01:29:25 | 10 | 5 | ekart | delivered | Woven Kanjivaram Pure Silk, Art Silk Sar... |
| 50 | 2023-03-19 01:29:25 | 0 | 2023-03-19 01:29:25 | 10 | 5 | ekart | delivered | Woven Kanjivaram Pure Silk, Art Silk Sar... |

*18. Write a query to fetch the employees whose salary is greater than X (Raghab) and who works in store Y(sbd textile) and Brand Z(adidas) ?*
*Put X, Y, Z according to your database?*

```
1 SELECT emp.* , stor.name AS storename , job.name AS designation
2 FROM employee emp
3 JOIN designation job ON ( job.isdeleted = 0 AND emp.designation_id = job.id )
4 JOIN store stor ON ( stor.isdeleted = 0 AND emp.store_id = stor.id )
5 JOIN storebrand storbrnd ON ( storbrnd.isdeleted = 0 AND stor.id = storbrnd.store_id )
6 JOIN brand brnd ON ( brnd.isdeleted = 0 AND storbrnd.brand_id = brnd.id )
7 WHERE emp.salary > 19000 AND brnd.name = 'adidas' AND stor.name = 'sbd textile' AND emp.isdeleted = 0 ;
8
9
```

Result #1 (3r × 13c)

| id | createdat | isdeleted | updatedat | name | email | mobilenumber | salary | address | store_id | designation_id | storename | designation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2023-05-07 07:33:53 | 0 | 2023-05-07 07:33:53 | Rashmi | rashmi@gmail.com | 9876543210 | 25,000 | soro | 1 | 1 | sbd textile | manager |
| 3 | 2023-05-07 07:37:00 | 0 | 2023-05-07 07:37:00 | madhu | madhu@gmail.com | 9076543210 | 20,000 | Balasore | 1 | 3 | sbd textile | sales man |
| 4 | 2023-05-07 07:38:22 | 0 | 2023-05-07 07:38:22 | madhav | madhav@gmail.com | 7776543210 | 19,500 | banglore | 1 | 4 | sbd textile | accounting |

## 19. Write a query to fetch the list of Store address details in the standard format.(Invoice address format.)?

```
1 SELECT NAME , addressline1 , addressline2 , landmark , city , state , country , pincode  FROM store ;
2|
```

store (6r × 8c)

| NAME | addressline1 | addressline2 | landmark | city | state | country | pincode |
|------|-------------|-------------|----------|------|-------|---------|---------|
| sbd textile | Marathahali | Marathahali | near livspace | Bengaluru | Karnataka | India | 560037 |
| NTK fashion | Noida | Noida | near AWHO colony | Delhi | UP | India | 676869 |
| DDL fashion | Khargar | Navy Mumbai | national park road | Mumbai | Maharastra | India | 554102 |
| Rk fashion | Kolathur | Chennai | near dmart | Chennai | Tamilnadu | India | 987456 |
| ZX mobiles | Noida | Noida | near jp comfort | Delhi | UP | India | 666869 |
| Mobile store | Khargar | Navy Mumbai | infront of SSB hospital | Mumbai | Maharastra | India | 554101 |

## 20. Write a query to fetch the remaining quantity of the product which are sold?

```
1 #20. Write a query to fetch the remaining quantity of the product which are sold?
2 SELECT prod.id AS productid , vari.id AS variantsid , prod.name AS productname , vari.quantity - SUM(odetail.quantity) AS
  remaining
3 FROM product prod
4 JOIN variants vari ON ( vari.isdeleted = 0 AND prod.id = vari.product_id )
5 JOIN orderdetails odetail ON ( odetail.isdeleted = 0 AND vari.id = odetail.variants_id )
6 WHERE prod.isdeleted = 0
7 GROUP BY odetail.variants_id ;
8|
```

Result #1 (12r × 4c)

| productid | variantsid | productname | remaining |
|-----------|-----------|-------------|-----------|
| 1 | 1 | Solid Men Polo Neck Black T-Shirt | 18 |
| 2 | 3 | REDMI 10 Power | 19 |
| 3 | 5 | Trendy Sports Running Shoes | 17 |
| 4 | 8 | Woven Kanjivaram Pure Silk, Art Silk Sar... | 17 |
| 5 | 10 | Women Printed Pure Cotton Anarkali kurtis | 19 |
| 5 | 11 | Women Printed Pure Cotton Anarkali kurtis | 26 |
| 3 | 6 | Trendy Sports Running Shoes | 5 |
| 5 | 12 | Women Printed Pure Cotton Anarkali kurtis | 19 |
| 1 | 17 | Solid Men Polo Neck Black T-Shirt | 3 |
| 1 | 13 | Solid Men Polo Neck Black T-Shirt | 9 |
| 1 | 18 | Solid Men Polo Neck Black T-Shirt | 4 |
| 1 | 2 | Solid Men Polo Neck Black T-Shirt | 6 |

## 21. Write a query to fetch the products which are in more than 5 variants?

```
1 SELECT prod.id as productid , prod.name AS productname , COUNT(*) AS totalvariant
2 FROM variants vari
3 JOIN product prod ON ( vari.isdeleted = 0 AND vari.product_id = prod.id )
4 WHERE prod.isdeleted = 0
5 GROUP BY vari.product_id
6 HAVING COUNT(*)>5;
7
```

**product (1r × 3c)**

| productid | productname | totalvariant |
|---|---|---|
| 1 | Solid Men Polo Neck Black T-Shirt | 6 |

## 22. Write a Query Trend of Top 5 selling variants over the past 6months?

```
1
2 SELECT prod.id as productid , prod.name AS productname , COUNT(*) AS totalvariant , vari.size_id , vari.color_id ,
3 vari.id AS variantid , col.name AS color , siz.size AS size , weight.name AS weighttype , vari.weight
4 FROM product prod
5 JOIN variants vari ON ( vari.isdeleted = 0 AND vari.product_id = prod.id )
6 JOIN orderdetails odetail ON ( odetail.isdeleted = 0 AND odetail.variants_id = vari.id )
7 JOIN size siz ON (siz.isdeleted = 0 AND vari.size_id = siz.id)
8 JOIN color col ON (col.isdeleted = 0 AND vari.color_id = col.id)
9 JOIN weighttype weight ON (weight.isdeleted = 0 AND vari.weighttype_id = weight.id )
10 WHERE prod.isdeleted = 0 and odetail.createdat >= '2022-11-28 01:29:25' AND odetail.createdat <= '2023-05-09 05:58:59'
11 GROUP BY odetail.variants_id
12 ORDER BY COUNT(*) DESC
13 LIMIT 5;
```

**Result #1 (5r × 10c)**

| productid | productname | totalvariant | size_id | color_id | variantid | color | size | weighttype | weight |
|---|---|---|---|---|---|---|---|---|---|
| 3 | Trendy Sports Running Shoes | 5 | 14 | 1 | 6 | black | 8 | gram | 400 |
| 1 | Solid Men Polo Neck Black T-Shirt | 4 | 4 | 2 | 2 | red | XL | gram | 210 |
| 5 | Women Printed Pure Cotton Anarkali kurtis | 4 | 2 | 6 | 11 | purple | M | gram | 100 |
| 3 | Trendy Sports Running Shoes | 3 | 13 | 8 | 5 | white | 7 | gram | 400 |
| 4 | Woven Kanjivaram Pure Silk, Art Silk Sar... | 3 | 19 | 5 | 8 | blue | free size | gram | 400 |