

# SK Fashion

## Introduction

This documentation explains how information about each fashion item stored. The database is used for organizing the clothes by type, size or brand. It shows how fashion products are stored and organized.

## Objectives

- ❖ Analyze product details such as Brandname, sizes etc.,
- ❖ Identify top-selling brands.
- ❖ Compare MRP and sellprice to analyze profit margins.
- ❖ Study which brands offer the highest average discount.
- ❖ Analyze order trends based on the dateoforder.
- ❖ Combine with shopping\_trends to understand the customer preferences, shopping frequencies.

## Database Design

	Field	Type	Null	Key	Default	Extra
▶	id	int	YES		NULL	
	BrandName	text	YES		NULL	
	Details	text	YES		NULL	
	Sizes	text	YES		NULL	
	MRP	text	YES		NULL	
	SellPrice	int	YES		NULL	
	Discount	text	YES		NULL	
	Category	text	YES		NULL	
	dateoforder	varchar(20)	YES		NULL	

## SQL Queries

**Select** = It retrieves the data

- Select \* from fashion;

```
0 • select * from fashion1;
```

Sult Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows: |

id	BrandName	Details	Sizes	MRP	SellPrice	Discount	Category	dateof
0	life	solid cotton blend collar neck womens a-line dre...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	849	50% off	Westernwear-Women	14-04-04
1	only	polyester peter pan collar womens blouson dres...	Size:34,36,38,40	Rs 3...	2449	30% off	Westernwear-Women	05-08-08
2	fratini	solid polyester blend wide neck womens regular ...	Size:Large,X-Large,XX-Large	Rs 1...	599	50% off	Westernwear-Women	01-12-12
3	zink london	stripes polyester sweetheart neck womens dres...	Size:Large,Medium,Small,X-Large	Rs 2...	1379	40% off	Westernwear-Women	14-05-05
4	life	regular fit regular length denim womens jeans - ...	Size:26,28,30,32,34,36	Rs 1...	849	50% off	Westernwear-Women	14-04-04
5	kraus	wide ankle length cotton womens jeans - light blue	Size:26,28,30,32,34	Rs 1...	1615	10% off	Westernwear-Women	04-10-10
6	life	printed cotton blend collared womens regular dr...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	649	50% off	Westernwear-Women	14-04-04
7	fratini	embroidered wide neck polyester womens regul...	Size:XX-Large	Rs 1...	649	50% off	Westernwear-Women	01-12-12
8	rare	floral polyester v neck womens flared dress - navy	Size:Large,Medium,Small,X-Large	Rs 2...	839	60% off	Westernwear-Women	27-07-07
9	rare	checks cotton boat neck womens regular top - b...	Size:Medium,Small,X-Large	Rs 1...	599	60% off	Westernwear-Women	27-07-07
10	life	solid square neck cotton womens regular dress ...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	749	50% off	Westernwear-Women	14-04-04
11	life	regular fit regular length denim womens jeans - ...	Size:26,28,30,32,34,36	Rs 999	499	50% off	Westernwear-Women	14-04-04
12	life	printed blended round neck womens shift dress ...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	749	50% off	Westernwear-Women	14-04-04

Result Grid | Form Editor | Field Types | Query Stats |

- ❖ It fetches all the columns from the fashion1 table

## Where clause

- Select \* from fashion1 where the id <10;

```
9 • select * from fashion1
10 where id<10 limit 10;
```

Sult Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows: |

id	BrandName	Details	Sizes	MRP	SellPrice	Discount	Category	dateof
0	life	solid cotton blend collar neck womens a-line dre...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	849	50% off	Westernwear-Women	14-04-20
1	only	polyester peter pan collar womens blouson dres...	Size:34,36,38,40	Rs 3...	2449	30% off	Westernwear-Women	05-08-20
2	fratini	solid polyester blend wide neck womens regular ...	Size:Large,X-Large,XX-Large	Rs 1...	599	50% off	Westernwear-Women	01-12-20
3	zink london	stripes polyester sweetheart neck womens dres...	Size:Large,Medium,Small,X-Large	Rs 2...	1379	40% off	Westernwear-Women	14-05-20
4	life	regular fit regular length denim womens jeans - ...	Size:26,28,30,32,34,36	Rs 1...	849	50% off	Westernwear-Women	14-04-20
5	kraus	wide ankle length cotton womens jeans - light blue	Size:26,28,30,32,34	Rs 1...	1615	10% off	Westernwear-Women	04-10-20
6	life	printed cotton blend collared womens regular dr...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	649	50% off	Westernwear-Women	14-04-20
7	fratini	embroidered wide neck polyester womens regul...	Size:XX-Large	Rs 1...	649	50% off	Westernwear-Women	01-12-20
8	rare	floral polyester v neck womens flared dress - navy	Size:Large,Medium,Small,X-Large	Rs 2...	839	60% off	Westernwear-Women	27-07-20
9	rare	checks cotton boat neck womens regular top - b...	Size:Medium,Small,X-Large	Rs 1...	599	60% off	Westernwear-Women	27-07-20

Result Grid | Form Editor | Field Types |

- ❖ Returns rows where id is less than 10

## Distinct

The distinct is used for retrieving the unique value.

- select distinct brandname from fashion1;

brandname
life
only
fratini
zink london
kraus
rare

- ❖ It retrieves the unique brandname from the table.

## Order by

The order by is used for list the products.

- select \* from fashion1 order by sizes desc ;

57 • `select * from fashion1 order by sellprice desc ;`

id	BrandName	Details	Sizes	MRP	SellPrice
5	versace	womens 36 mm greca icon silver white guilloch d...	Nan	Nan	142500
17	versace	womens 34 mm meander white dial steel ion plat...	Nan	Nan	137900
8	versace	unisex 43 mm pink dial bracelet analogue watch ...	Nan	Nan	108000
3	versace	womens 36 mm versace essential black dial stai...	Nan	Nan	99100
14	versace	womens 35 mm v-motif white-silver dial stainles...	Nan	Nan	91900
10	versace	womens v- motif gold-tone yellow gold ion plate...	Nan	Nan	91100
7	versace	womens 36 mm blue dial bracelet analogue watc...	Nan	Nan	55700
1	tissot	mens 39.3 mm le lode powermatic 80 blue dial s...	Nan	Nan	48500
24	versace	womens white pop chic lady 36mm analogue wa...	Nan	Nan	48500
23	versace	womens blue dial pop chic lady 36mm stainless s...	Nan	Nan	44000
6	michael kors	womens 41 mm lennox pink dial stainless steel a...	Nan	Nan	40995
16	emporio ar...	mens 43 mm black dial stainless steel analog wa...	Nan	Nan	39995
12	tissot	womens rose gold dial stainless steel analogue ...	Nan	Nan	37500
11	emporio ar...	womens gianni t-bar silver dial stainless steel an...	Nan	Nan	36995

- ❖ lists products order by sell price descending order.

## Group by

The group by counts the products in each category.

- select category, count( brandname) as br from fashion1 group by category;

```
2 • select category, count( brandname) as br from fashion1 group by category;
```

category	br
Westernwear-Women	9975
Indianwear-Women	9975
Lingerie&Nightwear-Women	3225
Footwear-Women	2475
Watches-Women	1725
Fragrance-Women	475
Jewellery-Women	1725

- ❖ Counts the number of brands in each category.

## Is Null and Is Not Null

The null is to find the column does not have the value.

- Select brandname,dateoforder from fashion1 where dateoforder is null;

```
54 • select BrandName,dateoforder from fashion1 where dateoforder is null;
```

BrandName	dateoforder
iti	NULL
pepe	NULL
indya	NULL
lovegen	NULL
magre	NULL
insense	NULL

- ❖ It retrieves the rows where dateoforder is null.

The not null is to find the column does contain the value.

- Select \* from fashion1 where mrp is not null;

```
53 • select * from fashion1 where mrp is not null;
```

id	BrandName	Details	Sizes	MRP	SellPrice
0	life	solid cotton blend collar neck womens a-line dre...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	849
1	only	polyester peter pan collar womens blouson dres...	Size:34,36,38,40	Rs 3...	2449
2	fratini	solid polyester blend wide neck womens regular ...	Size:Large,X-Large,XX-Large	Rs 1...	599
3	zink london	stripes polyester sweetheart neck womens dres...	Size:Large,Medium,Small,X-Large	Rs 2...	1379
4	life	regular fit regular length denim womens jeans - ...	Size:26,28,30,32,34,36	Rs 1...	849
5	kraus	wide ankle length cotton womens jeans - light blue	Size:26,28,30,32,34	Rs 1...	1615

- ❖ It retrieves row where mrp has a value.

## Count

The count function is used for count the products in the datas.

- select count(distinct brandname) from fashion1;

```
14 •   select count(distinct brandname) as counts from fashion1;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
<b>counts</b>				
274				

- ❖ It return the unique brandname's count.

## Comparison operator

The comparison is used for compare two values.

Equal to:

- Select \* from fashion1 where sellprice=299;

```
34 •   select * from fashion1 where sellprice=299;
```

id	BrandName	Details	Sizes	MRP	SellPrice
13	life	printed jersey round neck womens t-shirt - black	Size:Large,Medium,Small,X-Large,X-Small	Rs ...	299
16	life	solid cotton lycra round neck womens t-shirt - w...	Size:Large,Medium,Small,X-Small	Rs ...	299
25	life	printed jersey round neck womens t-shirt - lilac	Size:Large,Medium,Small,X-Large,X-Small	Rs ...	299
23	stoppo	printed jersey round neck womens t-shirt - natural	Size:Large,Medium,Small,X-Large,X-Small	Rs ...	299
3	fratini	solid v-neck jersey womens t-shirt - red	Size:Large,Medium,Small,X-Large,XX-Large	Rs ...	299
1	altlife	printed polyester blend regular neck womens t-...	Size:Large,Medium,Small,X-Large,X-Small,XX-La...	Rs ...	299
15	life	printed cotton round neck womens regular t-shi...	Size:Large,Medium,Small,X-Large,X-Small	Rs ...	299
25	life	solid cotton round neck womens regular t-shirt -...	Size:Large,Medium,Small,X-Large,X-Small	Rs ...	299

Greater tha equal to:

- Select \* from fashion1 where sellprice >=1999;

```
35 • select * from fashion1 where sellprice>=1999;
```

Result Grid						
	id	BrandName	Details	Sizes	MRP	SellPrice
.	1	only	polyester peter pan collar womens blouson dress - bl...	Size:34,36,38,40	Rs 3...	2449
.	15	cover story	printed polyester round neck womens dress - bl...	Size:Medium,Small,X-Large,X-Small	Rs 4...	3143
.	12	and	polka dots boat neck viscose womens regular dress - bl...	Size:8,10,12,14,16,18	Rs 2...	2319
.	16	faballey	printed georgette round neck womens regular dress - bl...	Size:Large,Medium,Small,X-Large,X-Small	Rs 2...	2240
.	17	levis	tapered fit regular length cotton womens jeans - bl...	Size:26,28,30,32,34	Nan	3799
.	10	and	solid polyester square neck womens flared dress - bl...	Size:10,12,14,16,18	Rs 2...	2159
.	5	faballey	embroidered cotton square neck womens regular dress - bl...	Size:Large,Medium,Small,X-Large,X-Small	Rs 2...	2080
.	24	and	solid polyester v neck womens regular dress - bl...	Size:8,18	Rs 2...	2319
.	5	and	solid boat neck polyester womens straight dress - bl...	Size:6,8,10,12,14,16	Rs 2...	1999

Less than equal to:

- Select \* from fashion1 where sellprice<=2000;

```
36 • select * from fashion1 where sellprice<=2000;
```

Result Grid						
	id	BrandName	Details	Sizes	MRP	SellPrice
0	life	solid cotton blend collar neck womens a-line dress - bl...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	849	
2	fratini	solid polyester blend wide neck womens regular dress - bl...	Size:Large,X-Large,XX-Large	Rs 1...	599	
3	zink london	stripes polyester sweetheart neck womens dress - bl...	Size:Large,Medium,Small,X-Large	Rs 2...	1379	
4	life	regular fit regular length denim womens jeans - bl...	Size:26,28,30,32,34,36	Rs 1...	849	
5	kraus	wide ankle length cotton womens jeans - light blue	Size:26,28,30,32,34	Rs 1...	1615	
6	life	printed cotton blend collared womens regular dress - bl...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	649	
7	fratini	embroidered wide neck polyester womens regular dress - bl...	Size:XX-Large	Rs 1...	649	
8	rare	floral polyester v neck womens flared dress - navy	Size:Large,Medium,Small,X-Large	Rs 2...	839	
9	rare	checks cotton boat neck womens regular top - bl...	Size:Medium,Small,X-Large	Rs 1...	599	

Not equal:

- Select \* from fashion1 where sellprice <> 599;

```
37 • select * from fashion1 where sellprice<>599;
```

Result Grid						
	id	BrandName	Details	Sizes	MRP	SellPrice
0	life	solid cotton blend collar neck womens a-line dress - bl...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	849	
1	only	Polyester Peter Pan Collar Womens Blouson Dress - bl...	Size:34,36,38,40	Rs 3...	2449	
3	zink london	stripes polyester sweetheart neck womens dress - bl...	Size:Large,Medium,Small,X-Large	Rs 2...	1379	
4	life	regular fit regular length denim womens jeans - bl...	Size:26,28,30,32,34,36	Rs 1...	849	
5	kraus	wide ankle length cotton womens jeans - light blue	Size:26,28,30,32,34	Rs 1...	1615	
6	life	printed cotton blend collared womens regular dress - bl...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	649	
7	fratini	embroidered wide neck polyester womens regular dress - bl...	Size:XX-Large	Rs 1...	649	
8	rare	floral polyester v neck womens flared dress - navy	Size:Large,Medium,Small,X-Large	Rs 2...	839	
10	life	Solid Square Neck Cotton Womens Regular Dress - bl...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	749	

## Logical operator

### And

It filters rows where the both condition are true

- select \* from fashion1 where brandname ='life' and discount='nan';

41 • `select * from fashion1 where brandname = 'life' and discount = 'nan';`

result Grid							
id	BrandName	Details	Sizes	MRP	SellPrice	Discount	Category
24	life	womens regular fit printed woven dress - black	Size:Large,X-Large,X-Small	Nan	1299	Nan	Westernwear-Women
5	life	womens knitted casual socks - blue	Nan	Nan	99	Nan	Westernwear-Women
5	life	womens knitted casual socks - white	Nan	Nan	99	Nan	Westernwear-Women
1	life	womens regular fit printed dress - navy	Size:Large,Medium,Small,X-Large,X-Small	Nan	1499	Nan	Westernwear-Women
13	life	womens knitted casual socks - fuschia	Nan	Nan	99	Nan	Westernwear-Women
9	life	womens knitted casual socks - peach	Nan	Nan	99	Nan	Westernwear-Women
25	life	womens knitted casual socks - pink	Nan	Nan	99	Nan	Westernwear-Women
10	life	womens knitted casual socks - white	Nan	Nan	99	Nan	Westernwear-Women
12	life	womens knitted casual socks - grey	Nan	Nan	99	Nan	Westernwear-Women
5	life	womens printed no show socks - assorted - multi	Nan	Nan	99	Nan	Westernwear-Women

### Or

It returns where the one conditions must be true.

- select\* from fashion1 where brandname='dolce crudo' or sizes='Size:Large,Medium,Small,X-Large,X-Small' ;

64 • `select* from fashion1 where brandname='dolce crudo'`  
65    `or sizes='Size:Large,Medium,Small,X-Large,X-Small' limit 5;`

result Grid							
id	BrandName	Details	Sizes	MRP	SellPrice	Discount	Category
0	life	solid cotton blend collar neck womens a-line dre...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	849	50% off	Westernwear-Women
6	life	printed cotton blend collared womens regular d...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	649	50% off	Westernwear-Women
10	life	solid square neck cotton womens regular dress ...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	749	50% off	Westernwear-Women
12	life	printed blended round neck womens shift dress ...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	749	50% off	Westernwear-Women
13	life	printed jersey round neck womens t-shirt - black	Size:Large,Medium,Small,X-Large,X-Small	Rs 599	299	50% off	Westernwear-Women

- ❖ It returns the sizes of the brands and the brand =dolce crudo

### And and or

- select\*from fashion1 where (brandname='life' and sizes='Size:Large,Medium,Small,X-Large,X-Small')or sizes='Size:26,28,32';

```
58 • select*from fashion1 where (brandname='life' and sizes='Size:Large,Medium,Small,X-Large,X-Small')
59     or sizes='Size:26,28,32';
```

Result Grid | Filter Rows:  Export: Wrap Cell Content:

ID	BrandName	Details	Sizes	MRP	SellPrice	Discount	Category	datec
0	life	solid cotton blend collar neck womens a-line dre...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	849	50% off	Westernwear-Women	14-04
6	life	printed cotton blend collared womens regular dr...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	649	50% off	Westernwear-Women	14-04
10	life	solid square neck cotton womens regular dress ...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	749	50% off	Westernwear-Women	14-04
12	life	printed blended round neck womens shift dress ...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	749	50% off	Westernwear-Women	14-04
13	life	printed jersey round neck womens t-shirt - black	Size:Large,Medium,Small,X-Large,X-Small	Rs 599	299	50% off	Westernwear-Women	14-04
14	life	printed crepe square neck womens top - blue	Size:Large,Medium,Small,X-Large,X-Small	Rs 999	499	50% off	Westernwear-Women	14-04
15	life	solid cotton collar neck womens shirt - pink	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	599	50% off	Westernwear-Women	14-04

Result Grid | Form Editor | Field

- ❖ It returns the brandname =life and size of the brand or where the size =26,28,32.

## Between

- select \* from fashion1 where discount between '30%' and '70%';

Result Grid | Filter Rows:  Export: Fetch rows:  Wrap Cell Content:

ID	BrandName	Details	Sizes	MRP	SellPrice	Discount	Category	datec
0	life	solid cotton blend collar neck womens a-line dre...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	849	50% off	Westernwear-Women	14-04
1	only	polyester peter pan collar womens blouson dres...	Size:34,36,38,40	Rs 3...	2449	30% off	Westernwear-Women	05-08
2	fratini	solid polyester blend wide neck womens regular ...	Size:Large,X-Large,XX-Large	Rs 1...	599	50% off	Westernwear-Women	01-12
3	zink london	stripes polyester sweetheart neck womens dres...	Size:Large,Medium,Small,X-Large	Rs 2...	1379	40% off	Westernwear-Women	14-05
4	life	regular fit regular length denim womens jeans - ...	Size:26,28,30,32,34,36	Rs 1...	849	50% off	Westernwear-Women	14-04
6	life	printed cotton blend collared womens regular dr...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	649	50% off	Westernwear-Women	14-04
7	fratini	embroidered wide neck polyester womens regul...	Size:XX-Large	Rs 1...	649	50% off	Westernwear-Women	01-12
8	rare	floral polyester v neck womens flared dress - navy	Size:Large,Medium,Small,X-Large	Rs 2...	839	60% off	Westernwear-Women	27-07

Result Grid | Form Editor | Field

- ❖ It returns the discount between 30 to 70.

## Like

- select \* from fashion1 where sellprice like '90%';

Result Grid | Filter Rows:  Export: Wrap Cell Content:

ID	BrandName	Details	Sizes	MRP	SellPrice	Discount	Category	dat
15	raus	solid cotton round neck womens crop top - white	Size:Large,Medium,Small,X-Small	Rs 1...	909	30% off	Westernwear-Women	04-1
25	vero moda	printed modal round neck womens t-shirts - white	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	909	30% off	Westernwear-Women	24-0
1	madame	embellished cotton blend round neck womens re...	Size:Large,Medium,Small,X-Large,XX-Large	Rs 1...	909	30% off	Westernwear-Women	11-C
24	only	solid viscose v neck womens t-shirt - pink	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	909	30% off	Westernwear-Women	05-C
24	madame	solid cotton lycra round neck womens regular to...	Size:Large,Medium,Small,X-Large,XX-Large	Rs 1...	909	30% off	Westernwear-Women	11-C
2	raus	solid cotton slim womens casual shorts - light blue	Size:28,30,32,34	Rs 1...	906	30% off	Westernwear-Women	04-1

Result Grid | Form Editor | Field

- ❖ It returns the price start with the '9'.

## In

```
select * from fashion1 where brandname in ('life','rare');
```

```
30 • select * from fashion1 where brandname in ('life','rare');
```

result Grid		Filter Rows:	Export:	Wrap Cell Content:	Result Grid					
id	BrandName	Details	Sizes	MRP	SellPrice	Discount	Category	datec	Form Editor	
0	life	solid cotton blend collar neck womens a-line dre...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	849	50% off	Westernwear-Women	14-04		
4	life	regular fit regular length denim womens jeans - ...	Size:26,28,30,32,34,36	Rs 1...	849	50% off	Westernwear-Women	14-04		
6	life	printed cotton blend collared womens regular dr...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	649	50% off	Westernwear-Women	14-04		
8	rare	floral polyester v neck womens flared dress - navy	Size:Large,Medium,Small,X-Large	Rs 2...	839	60% off	Westernwear-Women	27-07		
9	rare	checks cotton boat neck womens regular top - b...	Size:Medium,Small,X-Large	Rs 1...	599	60% off	Westernwear-Women	27-07		
10	life	solid square neck cotton womens regular dress ...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	749	50% off	Westernwear-Women	14-04		

- ❖ It filters that the brand in life and rare.

## Some

- select id,details,mrp,brandname from fashion1 where brandname >= some (select id from fashion1 where brandname='infuse');

```
79 • select id,details,mrp,brandname from fashion1 where brandname >= some (select id
```

result Grid		Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
id	details	mrp	brandname		
0	solid cotton blend collar neck womens a-line dre...	Rs 1...	life		
1	Polyester Peter Pan Collar Womens Blouson Dres...	Rs 3...	only		
2	Solid Polyester Blend Wide Neck Womens Regular ...	Rs 1...	fratini		
3	Stripes Polyester Sweetheart Neck Womens Dres...	Rs 2...	zink london		
4	Regular Fit Regular Length Denim Womens Jeans - ...	Rs 1...	life		
5	Wide Ankle Length Cotton Womens Jeans - Light Bl	Rs 1...	kraus		
6	Printed Cotton Blend Collared Womens Regular Dr...	Rs 1...	life		

## Not

The not operator is used to omit the condition.

- select\*from fashion1 where not brandname ='enamor';

```
11 • select*from fashion1 where not brandname = 'enamor';
```

result Grid		Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
id	BrandName	Details	Sizes		
0	life	Solid Cotton Blend Collar Neck Womens A-Line Dre...	Size:Large,Medium,Small,X-Large,X-Small		
1	only	Polyester Peter Pan Collar Womens Blouson Dres...	Size:34,36,38,40		
2	fratini	Solid Polyester Blend Wide Neck Womens Regular ...	Size:Large,X-Large,XX-Large		
3	zink london	Stripes Polyester Sweetheart Neck Womens Dres...	Size:Large,Medium,Small,X-Large		
4	life	Regular Fit Regular Length Denim Womens Jeans - ...	Size:26,28,30,32,34,36		
5	kraus	Wide Ankle Length Cotton Womens Jeans - Light Bl	Size:26,28,30,32,34		
6	life	Printed Cotton Blend Collared Womens Regular Dr...	Size:Large,Medium,Small,X-Large,X-Small		

## Any

The any operator is used to compare any value in a subquery.

- o select \* from fashion1 where SellPrice>=any  
`(select sellprice from fashion1 where category='Westernwear-Women');`

```
94 •  select * from fashion1 where SellPrice>any
95   (select sellprice from fashion1 where category='Westernwear-Women' );
```

result Grid | Filter Rows: Export: Wrap Cell Content: Fetch rows:

id	BrandName	Details	Sizes	MRP	SellPrice	Discount	Category
0	life	solid cotton blend collar neck womens a-line dre...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	849	50% off	Westernwear-Women
1	only	polyester peter pan collar womens blouson dres...	Size:34,36,38,40	Rs 3...	2449	30% off	Westernwear-Women
2	fratini	solid polyester blend wide neck womens regular ...	Size:Large,X-Large,XX-Large	Rs 1...	599	50% off	Westernwear-Women
3	zink london	stripes polyester sweetheart neck womens dress...	Size:Large,Medium,Small,X-Large	Rs 2...	1379	40% off	Westernwear-Women
4	life	regular fit regular length denim womens jeans - ...	Size:26,28,30,32,34,36	Rs 1...	849	50% off	Westernwear-Women
5	kraus	wide ankle length cotton womens jeans - light blue	Size:26,28,30,32,34	Rs 1...	1615	10% off	Westernwear-Women
6	life	printed cotton blend collared womens regular dr...	Size:Large,Medium,Small,X-Large,X-Small	Rs 1...	649	50% off	Westernwear-Women
7	fratini	embroidered wide neck polyester womens regul...	Size:XX-Large	Rs 1...	649	50% off	Westernwear-Women
8	rare	floral polyester v neck womens flared dress - navy	Size:Large,Medium,Small,X-Large	Rs 2...	839	60% off	Westernwear-Women

## All

- o It compare all the value in the subquery.  
`select brandname,discount from fashion1 where brandname > all`  
`(select discount from fashion1 where BrandName='kraus');`

```
96 •  select brandname,discount from fashion1 where brandname > all
97   (select discount from fashion1 where BrandName='kraus');
```

result Grid | Filter Rows: Export: Wrap Cell Content: Fetch rows:

brandname	discount
life	50% off
vero moda	20% off
rare	50% off
altlife	50% off
indya	50% off
zink london	40% off
allen solly	35% off
kraus	30% off
and	50% off
faballey	20% off

## Exists

- The exists operator is used to check whether subquery returns any value.
- o select brandname,discount from fashion1 where brandname > all  
`(select discount from fashion1 where BrandName='kraus');`

```

90 •      select distinct brandname from fashion1 where exists
91      (select * from fashion1 where brandname='latin quarters');

```

brandname
life
only
fratini
zink london
kraus
rare
van heusen
stoppo
zink z

## Date function:

### Using string to date function:

- The string to date function is to convert a string into a date.

select brandname,dateoforder,

```

day(str_to_date(dateoforder ,'%d-%m-%Y')) as kday,
month(str_to_date(dateoforder ,'%d-%m-%Y')) as kmonth,
year(str_to_date(dateoforder ,'%d-%m-%Y')) as kyear from fashion1;

```

```

113 •      select brandname,dateoforder,
114          day(str_to_date(dateoforder ,'%d-%m-%Y')) as kday,
115          month(str_to_date(dateoforder ,'%d-%m-%Y')) as kmonth,
116          year(str_to_date(dateoforder ,'%d-%m-%Y')) as kyear from fashion1;

```

	brandname	dateoforder	kday	kmonth	kyear
▶	life	14-04-2024	14	4	2024
	only	05-08-2024	5	8	2024
	fratini	01-12-2024	1	12	2024
	zink london	14-05-2025	14	5	2025
	life	14-04-2024	14	4	2024
	kraus	04-10-2025	4	10	2025
	life	14-04-2024	14	4	2024
	fratini	01-12-2024	1	12	2024
	rare	27-07-2024	27	7	2024
	rare	27-07-2024	27	7	2024

```

select (str_to_date(dateoforder ,'%d-%m-%Y')) as order_year,sum(sellprice) as
total_price

from fashion1

group by (dateoforder)

order by order_year;

```

```

7 •      select (str_to_date(dateoforder ,'%d-%m-%Y')) as order_year,sum(sellprice) as total_price
8      from fashion1
9      group by (dateoforder)
0      order by order_year;

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
order_year	total_price			
NULL	40911459			
NULL	587574			
2023-03-11	848982			
2023-08-24	2121075			
2024-04-14	335018			
2024-07-27	161235			
2024-08-05	1397021			
2024-12-01	258750			
2025-02-22	2992233			
2025-05-14	964152			
2025-08-10	5212378			
2025-10-04	1102978			

- It returns the total price of each year.

## Aggregate Function

The aggregate function is used to find the count(), max(), min(), avg(), sum() of the price.

```

select sum(sellprice) as sum_sales ,
max(sellprice) as max_sales,
min(sellprice) as min_sales,

```

avg(sellprice) as avg\_sales from fashion1;

sum_sales	max_sales	min_sales	avg_sales
56892855	142500	74	1923.6806

- it returns the sum,avg,max,min sellprice of the product.

## Joins

### 1.Inner join

```
select fashion1.brandname,fashion1.sizes,shopping_trends.size from fashion1  
inner join shopping_trends on fashion1.id=shopping_trends.customerid;
```

brandname	sizes	size
only	Size:34,36,38,40	L
fratini	Size:Large,X-Large,XX-Large	L
zink london	Size:Large,Medium,Small,X-Large	S
life	Size:26,28,30,32,34,36	M
kraus	Size:26,28,30,32,34	M
life	Size:Large,Medium,Small,X-Large,X-Small	M

### 2.Left join

```
Selectfashion1.brandname,fashion1.sizes,shopping_trends.itempurchased,shopp  
ing_trends.size from fashion1 left join shopping_trends on  
fashion1.id=shopping_trends.customerid;
```

```

106 •   select fashion1.brandname,fashion1.sizes,shopping_trends.itempurchased,shopping_trends.size
107     from fashion1 left join shopping_trends on fashion1.id=shopping_trends.customerid;

```

brandname	sizes	itempurchased	size
life	Size:Large,Medium,Small,X-Large,X-Small	NULL	NULL
only	Size:34,36,38,40	Blouse	L
fratini	Size:Large,X-Large,XX-Large	Sweater	L
zink london	Size:Large,Medium,Small,X-Large	Jeans	S
life	Size:26,28,30,32,34,36	Sandals	M
kraus	Size:26,28,30,32,34	Blouse	M
life	Size:Large,Medium,Small,X-Large,X-Small	Sneakers	M
fratini	Size:XX-Large	Shirt	M
rare	Size:Large,Medium,Small,X-Large	Shorts	L

### 3.right join

select  
fashion1.brandname,fashion1.sizes,shopping\_trends.itempurchased,shopping\_trends.size from fashion1 right join shopping\_trends on  
fashion1.id=shopping\_trends.customerid;

brandname	sizes	itempurchased	size
vero moda	Size:Large,Medium,Small,X-Large,X-Small	Blouse	L
faballey	Size:Medium,Small,X-Small	Blouse	L
zink london	Size:Large,Medium	Blouse	L
allen solly	Nan	Blouse	L
vero moda	Size:Large,Medium,Small,X-Large,X-Small	Blouse	L
and	Size:8,10,12,14,16	Blouse	L
indyia	Size:Large,Medium,Small,X-Large,X-Small,XX-La...	Blouse	L
kraus	Size:Large,Medium,Small,X-Small	Blouse	L

### Full join

select  
fashion1.brandname,fashion1.sizes,shopping\_trends.itempurchased,shopping\_trends.size from fashion1 left join shopping\_trends on  
fashion1.id=shopping\_trends.customerid union select  
fashion1.brandname,fashion1.sizes,shopping\_trends.itempurchased,shopping\_trends.size from fashion1 right join shopping\_trends on  
fashion1.id=shopping\_trends.customerid;

Result Grid | Filter Rows: \_\_\_\_\_ | Export: | Wrap Cell Content

	brandname	sizes	itempurchased	size
	life	Size:Large,Medium,Small,X-Large,X-Small	Dress	M
	life	Size:Large,Medium,Small,X-Large,X-Small	Coat	L
	life	Size:Large,Medium,Small,X-Small	Skirt	M
	life	Size:Large,Medium,Small,X-Large,X-Small	Sunglasses	S
	van heusen	Size:Large,Small,X-Small	Dress	XL
	life	Size:26,28,30,32,34,36	Sweater	S
	fratini	Size:Large,Medium,Small,X-Large,XX-Large	Pants	M
	life	Size:Large,Medium,Small,X-Large,X-Small	Pants	M

- The full join method used for add the two table information.

## Case statement

```

select category,quality,
case
when category='Westernwear-Women' then 1
when category='Indianwear-Women' then 2
when Category='Watches-Women' then 3
when category = 'Jewellery-Women' then 4
else 5
end as Quality
from fashion1;

```

```

125 •   select category,
126   case
127     when category='Westernwear-Women' then 1
128     when category='Indianwear-Women' then 2
129     when Category='Watches-Women' then 3
130     when category = 'Jewellery-Women' then 4
131   else 5

```

Result Grid | Filter Rows:  Export: Wrap Cell Content

category	Quality
Westernwear-Women	1
Indianwear-Women	2

- Added the quality for the categories using case statements.

## Stored procedure

```

delimiter //
create procedure attire()
begin
select id,count(brandname) as totalbrand from fashion1
group by id;
end //
delimiter ;
call attire();

```

```

1/1      delimiter //
172 •  create procedure attire()
173  begin
174      select id,count(brandname) as totalbrand from fashion1
175      group by id;
176      end //
177      delimiter ;
178 •  call attire();                                -- each id's

```

Result Grid | Filter Rows:  Export: Wrap Cell Content:

	id	totalbrand
0	1183	
1	1183	
2	1183	
3	1183	
4	1183	
5	1183	
6	1183	
7	1183	
8	1183	
9	1183	

- The procedure is used for the count of brands in each product id.

## Views

```
create view fs1 as select id,brandname,sellprice from fashion1 where sellprice<=2000;
```

```
select*from fs1;
```

```

175 •  create view ts1 as select id,brandname,sellprice from fashion1 where sellprice<=2000;
176 •  select*from| fs1;
177 •  set sql safe updates=0;

```

Result Grid | Filter Rows:  Export: Wrap Cell Content: Fetch rows:

	id	brandname	sellprice
0	life	849	
2	fratini	599	
3	zink london	1379	
4	life	849	
5	kraus	1615	
6	life	649	
7	fratini	649	
8	rare	839	
9	rare	599	

- It returns the id,brandname, sellprice of the product using the view function.

```

set sql_safe_updates=0;
update fs1 set brandname='stoppo' where id=23;
set sql_safe_updates=1;

```

```

l77 •      set sql_safe_updates=0;
l78 •      update fs1 set brandname='stoppo' where id=23;
l79 •      set sql_safe_updates=1;

```

Result Grid | Filter Rows: Export: Wrap Cell Content:

	id	brandname	sellprice
18	van heusen	799	
19	life	999	
20	fratini	749	
21	life	649	
23	stoppo	399	
24	life	999	
25	zink london	1679	

- The brandname = stop changed as stoppo using the update method in views.

## Prefix and suffix

```
select details,right(details,3) ,left(details,4)from fashion1;
```

```

162 •      select details,right(details,3) ,left(details,4)from fashion1;
163      -- prefix

```

Result Grid | Filter Rows: Export: Wrap Cell Content: Fetch

	details	right(details,3)	left(details,4)
▶	solid cotton blend collar neck womens a-line dre...	igo	soli
	Polyester Peter Pan collar Womens Blouson Dres...	low	poly
	Solid Polyester Blend Wide Neck Womens Regular ...	ite	soli
	Stripes Polyester Sweetheart Neck Womens Dres...	ack	stri
	Regular Fit Regular Length Denim Womens Jeans - ...	one	regu
	Wide Ankle Length Cotton Womens Jeans - Light Blue	lue	wide
	Printed Cotton Blend Collared Womens Regular Dr...	ite	prin
	Embroidered Wide Neck Polyester Womens Regul...	ush	embr

## Conclusion

This documentation analyzes the various attributes such as brand names, sizes, sell price and trends. Users can understand the insights into top-selling brands, category and price details. Overall, the database supports informed decision-making in fashion retail management.