MAKEUP AND COSMETIC MANAGEMENT SYSTEM

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ABSTRACT

This Project is based on how user can efficiently manage cosmetics and various other makeup products. Provides great speed and thus reduces time consumption. This system can easily derive any Cosmetic product information wanted by the user.

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MAKEUP AND COSMETIC MANAGEMENT SYSTEM

Project for SQL Module

DESCRIPTION:

Following database schema is designed to function as a backend storage database for a web application built to manage a Cosmetic shop or store.

By storing information in a relational database, all the tasks related to daily functioning of the Store can be performed easily and much more efficiently. Some of the benefits of using this system to store data over traditional paper registers are asfollows:

1. Updating and modifying Product list in the Store is much easier and efficient
2. Maintaining customer details and their account is easy and efficient.
3. Calculations like due payments can be done automatically by DBMS,thus eliminating human error
4. RDBMS provides many ways to analyze available data, thus helping in making more informed decisions about inventory management and other aspects of Cosmetic management

This database contains 6 tables:
1. Brand
2. Type (Product Type)
3. Brand
4. Customer
5. Transaction
6. WomensDaySpecial (Gifts Offer)

How these tables/entities are related to each other is shown pictorially on next page throughER diagram, i.e., Entity Relationship Diagram.

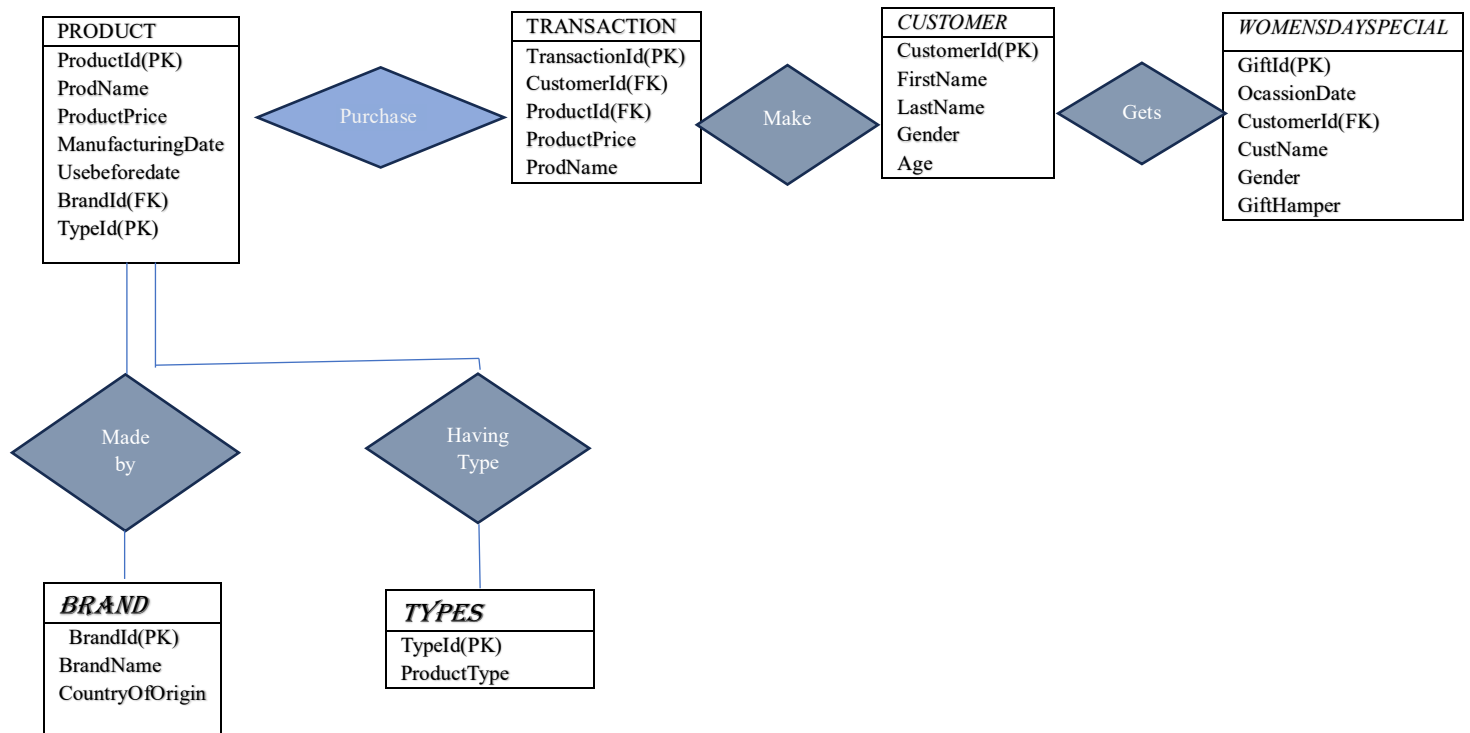# ER-Diagram (Entity Relation – Diagram) for Library Management System:

PRODUCT
ProductId(PK)
ProdName
ProductPrice
ManufacturingDate
Usebeforedate
BrandId(FK)
TypeId(PK)

Purchase

TRANSACTION
TransactionId(PK)
CustomerId(FK)
ProductId(FK)
ProductPrice
ProdName

Make

CUSTOMER
CustomerId(PK)
FirstName
LastName
Gender
Age

Gets

WOMENSDAYSPECIAL
GiftId(PK)
OcassionDate
CustomerId(FK)
CustName
Gender
GiftHamper

Made by

Having Type

BRAND
BrandId(PK)
BrandName
CountryOfOrigin

TYPES
TypeId(PK)
ProductType

TABLE DESCRIPTIONS:

1. Brand.

Field	Type	Null	Key	Default	Extra
BrandId	int	NO	PRI	NULL	
BrandName	varchar(50)	YES		NULL	
CountryOfOrigin	varchar(30)	YES		NULL	

2. Type.

Field	Type	Null	Key	Default	Extra
TypeId	int	NO	PRI	NULL	
ProductType	varchar(30)	YES		NULL	

3. Customer.

Field	Type	Null	Key	Default	Extra
CustomerId	int	NO	PRI	NULL	
FirstName	varchar(20)	YES		NULL	
LastName	varchar(20)	YES		NULL	
Gender	varchar(6)	YES		NULL	
Age	int	YES		NULL	

4. WomensDaySpecial.

Field	Type	Null	Key	Default	Extra
GiftId	int	YES		NULL	
OcassionDate	date	YES		09-08-2024	
CustomerId	int	YES	MUL	NULL	
CustName	varchar(30)	YES		NULL	
Gender	varchar(6)	YES		NULL	
GiftHamper	varchar(30)	YES		NULL	

5. Product.

Field	Type	Null	Key	Default	Extra
ProductId	int	NO	PRI	NULL	
ProdName	varchar(30)	YES		NULL	
ProductPrice	int	YES		NULL	
ManufacturingDate	datetime	YES		NULL	
Usebeforedate	datetime	YES		NULL	
BrandId	int	YES	MUL	NULL	
TypeId	int	YES	MUL	NULL	

6. Transaction.

Field	Type	Null	Key	Default	Extra
TransactionId	int	NO	PRI	NULL	
CustomerId	int	YES	MUL	NULL	
ProductId	int	YES	MUL	NULL	
ProductPrice	int	YES		NULL	
ProductName	varchar(30)	YES		NULL	

CREATING DATABASE:

Create database mcms;

Use mcms;

TABLE CREATION & INSERTION COMMANDS:

1) Create table Brand.

Create table Brand(

BrandId int primary key,

BrandName varchar(50),

CountryOfOrigin varchar(30));

Inserting Values into Brand:

insert into Brand(BrandId, BrandName, CountryOfOrigin)

values(1,'LoveMe Cosmetics','Russia'),

(2,'Knockout Makeup','Africa'),

(3,'Eternal Beauty','Algeria'),

(4,'Pressed','Argentina'),

(5,'Organica Beauty','Armenia'),

(6,'Retreat Cosmetics','Thailand'),

(7,'Cuffed Beauty','America'),

(8,'Sentirsi Organics','China'),

(9,'Centre of Attention Cosmetics','Japan'),

(10,'Smelly Belly Beauty','Korea'),

(11,'Narcissique','Australia'),

(12,'Blur Beauty','Canada'),

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(13,'Birthday Girl Beauty','Belgium'),
(14,'Vrai Luxe','Cuba'),
(15,'Ingenue Cosmetics','Brazil'),
(16,'Femme Fatale','Afghanistan'),
(17,'Junkie Makeup','Pakistan'),
(18,'Date Night','Poland'),
(19,'Risky Beauty','Qatar'),
(20,'WHO.IS.SHE','Romania'),
(21,'Bare Necessary Beauty','Samoa'),
(22,'Abbracciami Beauty','Saudi Arabia'),
(23,'BreakNeck Beauty','Saint Lucia'),
(24,'Happy Hour','Switzerland'),
(25,'Abundant Beauty','Texas'),
(26,'See Me Beauty','Tonga'),
(27,'ESSENTIALIST','Ukraine'),
(28,'MiAmor Makeup','Vietnam'),
(29,'Upgrade','Zambia'),
(30,'Blended Beauty','Dubai');
```

2) ***Create table Type.***

Create table Type(

TypeId int primary key,

ProductType varchar(30));

<u>Inserting Values into Type:</u>

insert into Type(TypeId, ProductType)

values(1,'HairCare'),

(2,'SkinCare'),

(3,'LipCare'),

(4,'NailCare'),

(5,'EyeCare');

3) ***Create table Customer.***

create table Customer(

CustomerId int Primary key,

FirstName varchar(20),

LastName varchar(20),

Gender varchar(6),

Age int);

Inserting Values Into Customer:

insert into Customer(CustomerId,FirstName,LastName,Gender,Age)

values (1,'Aidan','Butler','Female',22),

(2,'Haroid','Simmons','Male',78),

(3,'Conner','Flores','Female',34),

(4,'Peter','Bennett','Male',33),

(5,'Hunter','Sanders','Female',35),

(6,'Eli','Hughes','Male',23),

(7,'Alberto','Bryant','Female',40),

(8,'Carlos','Patterson','Female',39),

(9,'Shane','Matthews','Male',45),

(10,'Aaron','Jenkins','Female',55),

(11,'Marlin','Watkins','Male',28),

(12,'Paul','Ward','Female',34),

(13,'Ricardo','Murphy','Male',45),

(14,'Hector','Bailey','Female',44),

(15,'Alexis','Beil','Male',26),

(16,'Adrain','Cox','Female',67),

(17,'Kingston','Martinez','Male',33),

(18,'Douglas','Evans','Female',56),

(19,'Geraid','Rivera','Male',32),

(20,'Joey','Peterson','Female',49),

(21,'Johnny','Gomez','Male',20),

(22,'Charlie','Murray','Female',45),

(23,'Scott','Tucker','Female',34),

(24,'Martin','Hicks','Female',56),

(25,'Tristin','Crawford','Female',30),

(26,'Amara','Atticus','Female',45),

(27,'Ava','Asher','Female',50),

(28,'Bella','Baron','Female',28),

(29,'Cora','Beckett','Female',45),

(30,'Ella','Callum','Female',37),

(31,'Evie','Carson','Female',66),

(32,'Evelyn','Colt','Female',28),

(33,'Freya','Declan','Female',45),

(34,'Grace','Felix','Female',56),

(35,'Iris','George','Female',39),

(36,'Jane','Graham','Female',32),

(37,'Katherine','Henry','Female',27),

(38,'Layla','Jasper','Female',36),

(39,'Lillian','Jude','Female',27),

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(40,'Lucy','Kai','Female',22),

(41,'Maeve','Leo','Female',56),

(42,'Margot','Luke','Female',29),

(43,'Mila','Max','Female',40),

(44,'Oaklyn','Noah','Female',47),

(45,'Palmer','Owen','Female',37),

(46,'Poppy','Roman','Female',48),

(47,'Reese','Samuel','Female',36),

(48,'Sadie','Sink','Female',35),

(49,'Stella','Silas','Female',30),

(50,'Thea','Theo','Female',40);
```

4) *Create table WomensDaySpecial.*

create table WomensDaySpecial(

GiftId int,

OcassionDate date default '2024-08-09',

CustomerId int,

CustName Varchar(30),

Gender varchar(6) check(Gender='Female'),

GiftHamper Varchar(30),

CONSTRAINT fk_Customer FOREIGN KEY(CustomerId) REFERENCES Customer(CustomerId));

Inserting Values into WomensDaySpecial:

insert into WomensDaySpecial(GiftId,CustomerId,CustName, Gender,GiftHamper)

values(1,1,'Aidan Butler','Female','Chocolates'),

(2,3,'Conner Flores','Female','Vouchers'),

(3,5,'Hunter Sanders','Female','Dress'),

(4,7,'Alberto Bryant','Female','Perfumes'),

(5,8,'Carlos Patterson','Female','VacationCoupon'),

(6,10,'Aaron Jenkins','Female','crockery set'),

(7,12,'Paul Ward','Female','NailColor'),

(8,14,'Hector Bailey','Female','Diamond'),

(9,16,'Adrain Cox','Female','Bracelet'),

(10,18,'Douglas Evans','Female','Necklace'),

(11,20,'Joey Peterson','Female','Gold ring'),

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(12,22,'Charlie Murray','Female','Earrings'),

(13,23,'Scott Tucker','Female','Sandals'),

(14,24,'Martin Hicks','Female','Gold ring'),

(15,25,'Tristin Crawford','Female','Chocolates'),

(16,26,'Amara Atticus','Female','Diamond'),

(17,27,'Ava Ashar','Female','Perfumes'),

(18,28,'Bella Baron','Female','crockery set'),

(19,29,'CoraBeckett','Female','Necklace'),

(20,30,'Ella Callum','Female','Dress');
```

5) ***Create table Product.***

create table Product(

ProductId int Primary Key,

ProdName varchar(40),

ProductPrice int,

ManufacturingDate datetime,

Usebeforedate datetime,

BrandId int,

TypeId int),

CONSTRAINT fk_brand FOREIGN KEY(BrandId) REFERENCES Brand(BrandId),

CONSTRAINT fk_type FOREIGN KEY(TypeId) REFERENCES Type(TypeId));

Inserting Values into Product:

insert into Product(ProductId, ProdName, ProductPrice, ManufacturingDate, Usebeforedate, BrandId, TypeId)

values(1,'Foundation',1299,'2021-08-31 04:30:00','2026-09-06 12:00:00',1,2),

(2,'Primer',899,'2021-09-17 00:15:00','2025-09-07 12:00:00',7,5),

(3,'Concealer',599,'2021-10-01 14:28:00','2027-11-05 12:00:00',29,3),

(4,'Eyeliner',499,'2021-10-07 11:22:00','2028-09-12 12:00:00',4,4),

(5,'Mascara',1300,'2021-10-02 10:45:00','2030-11-09 12:00:00',29,3),

(6,'Blush',2549,'2021-10-10 17:16:00','2024-12-05 12:00:00',30,1),

(7,'Highlighter',699,'2021-10-03 15:57:00','2029-05-01 12:00:00',14,5),

(8,'Lipstick',1300,'2021-10-09 10:43:00','2026-08-02 12:00:00',17,2),

(9,'CC Cream',400,'2021-10-07 13:19:00','2027-05-05 12:00:00',19,3),

(10,'Eyeshadow',1500,'2021-10-15 18:55:00','2026-04-05 12:00:00',20,4),

(11,'Lip Gloss',1300,'2021-10-09 08:32:00','2027-02-14 12:00:00',22,5),

(12,'Palette', 2000,'2021-10-14 08:17:00','2025-06-08 12:00:00',26,1),

(13,'Setting Spray',799,'2021-10-09 15:48:00','2028-07-07 12:00:00',4,2),

(14,'Bronzer',1200,'2021-10-21 10:51:00','2029-10-10 12:00:00',5,4),

(15,'Contour',1500,'2021-10-10 19:55:00','2040-12-12 12:00:00',6,5),

(16,'Face Powder',300,'2021-10-15 09:20:00','2034-07-05 12:00:00',7,3),

(17,'Moisturizer',799,'2021-10-14 10:25:00','2027-07-05 12:00:00',7,1),

(18,'Eyebrow pencil',599,'2021-10-14 12:52:00','2030-06-06 12:00:00',8,3),

(19,'Sunscreen',1500,'2021-10-16 08:53:00','2050-11-19 12:00:00',15,4),

(20,'Face Serums',1600,'2021-10-29 18:47:00','2029-12-17 12:00:00',16,3),

(21,'Cleansers',2000,'2021-10-24 10:50:00','2030-04-09 12:00:00',17,2),

(22,'Bathing Soaps',1800,'2021-11-05 18:19:00','2045-12-09 12:00:00',18,1),

(23,'Deodorants',1900,'2021-10-24 13:48:00','2030-09-04 12:00:00',19,5),

(24,'Shampoo',2100,'2021-10-28 19:33:00','2026-03-04 12:00:00',25,2);

6) *Create table Transaction.*

Create table Transaction (

TransactionId int primary key,

CustomerId int,

ProductId int,

ProductPrice int,

ProductName varchar(30),

CONSTRAINT fk_CustomerId FOREIGN KEY(CustomerId) REFERENCES Customer(CustomerId),

CONSTRAINT fk_ProductId FOREIGN KEY(ProductId) REFERENCES Product(ProductId));

Inserting Values into Transaction:

insert into Transaction(TransactionId, CustomerId,ProductId,ProductPrice,ProductName)

values(1,2,23,1900,'Deodorants'),

(2,49,21,2000,'Cleansers'),

(3,45,20,1600,'Face Serums'),

(4,44,19,1500,'Sunscreen'),

(5,50,6,2549,'Blush'),

(6,23,5,1300,'Mascara'),

(7,26,7,699,'Highlighter'),

(8,44,2,899,'Primer'),

(9,11,8,1300,'Lipstick'),

(10,12,15,1500,'Contour'),

(11,13,18,599,'Eyebrow pencil'),

(12,14,13,799,'Setting Spray'),

(13,15,22,1800,'Bathing Soaps'),

(14,16,20, 1600,'Face Serums'),

(15,40,24,2100,'Shampoo'),

(16,17,20,1600,'Face Serums'),

(17,18,12,2000,'Palette'),

(18,19,11,1300,'Lip Gloss'),

(19,20,9,400,'CC Cream'),

(20,21,8,1300,'Lipstick'),

(21,22,16,300,'Face Powder'),

(22,31,10,1500,'Eyeshadow'),

(23,32,11,1300,'Lip Gloss'),

(24,33,21,2000,'Cleansers'),

(25,34,7,699,'Highlighter'),

(26,35,20,1600,'Face Serums'),

(27,36,3,599,'Concealer'),

(28,37,14,1200,'Bronzer'),

(29,38,15,1500,'Contour'),

(30,39,6,2549,'Blush'),

(31,40,18,599,'Eyebrow pencil'),

(32,41,8,1300,'Lipstick'),

(33,42,14,1200,'Bronzer'),

(34,43,23,1900,'Deodorants'),

(35,44,3,599,'Concealer'),

(36,45,15,1500,'Contour'),

(37,46,8,1300,'Lipstick'),

(38,47,16,300,'Face Powder'),

(39,48,1,1299,'Foundation'),

(40,39,3,599,'Concealer'),

(41,40,17,799,'Moisturizer'),

(42,9,3,599,'Concealer'),

(43,10,19,1500,'Sunscreen'),

(44,11,24,2100,'Shampoo'),

(45,12,13,799,'Setting Spray'),

(46,33,13,799,'Setting Spray'),

(47,38,14,1200,'Bronzer'),

(48,46,16,300,'Face Powder'),

(49,37,8,1300,'Lipstick'),

(50,4,9,400,'CC Cream'),

(51,45,21,2000,'Cleansers'),

(52,46,4,499,'Eyeliner'),

(53,34,4,499,'Eyeliner'),

(54,23,6,2549,'Blush'),

(55,22,9,400,'CC Cream'),

(56,37,12,2000,'Palette'),

(57,23,5,1300,'Mascara'),

(58,6,17,799,'Moisturizer'),

(59,45,7,699,'Highlighter'),

(60,12,14,1200,'Bronzer');

QUERIES:

1.Select the Product with the highest Price.

select ProductPrice,ProdName from Product where ProductPrice in (select max(ProductPrice) from Product);

Output:

ProductPrice	ProdName
2549	Blush

2.Display the names of the Customers whos names are starting with H.

Select concat(FirstName,' ',LastName) as Name from Customer where FirstName like "H%";

Output:

Name
Haroid Simmons
Hunter Sanders
Hector Bailey

3. select the product with lowest price.

select ProductPrice, ProdName from Product where ProductPrice in (select min(ProductPrice) from Product);

Output:

ProductPrice	ProdName
300	Face Powder

4. Display ProductId, Name, Price and Manufacturing date of Product whos Manufacturing date is after 2020-08-09 12:00:00.

 select ProductId, ProdName, ProductPrice,ManufacturingDate from Product where ManufacturingDate > '2020-08-09 12:00:00';

Output:

ProductId	ProdName	ProductPrice	ManufacturingDate
1	Foundation	1299	31-08-2021 4.30
2	Primer	899	17-09-2021 0.15
3	Concealer	599	01-10-2021 14.28
4	Eyeliner	499	07-10-2021 11.22
5	Mascara	1300	02-10-2021 10.45
6	Blush	2549	10-10-2021 17.16
7	Highlighter	699	03-10-2021 15.57
8	Lipstick	1300	09-10-2021 10.43
9	CC Cream	400	07-10-2021 13.19
10	Eyeshadow	1500	15-10-2021 18.55
11	Lip Gloss	1300	09-10-2021 8.32
12	Palette	2000	14-10-2021 8.17
13	Setting Spray	799	09-10-2021 15.48
14	Bronzer	1200	21-10-2021 10.51
15	Contour	1500	10-10-2021 19.55
16	Face Powder	300	15-10-2021 9.20
17	Moisturizer	799	14-10-2021 10.25
18	Eyebrow pencil	599	14-10-2021 12.52
19	Sunscreen	1500	16-10-2021 8.53
20	Face Serums	1600	29-10-2021 18.47
21	Cleansers	2000	24-10-2021 10.50
22	Bathing Soaps	1800	05-11-2021 18.19
23	Deodorants	1900	24-10-2021 13.48
24	Shampoo	2100	28-10-2021 19.33

5. Display the ProductName, Price of the Products whos Price is more than 1000 show the data in arranged column wise manner.

select max(ProductPrice) as MaxProductPrice, ProdName from Product group by ProdName having max(ProductPrice)>1000;

Output:

MaxProductPrice	ProdName
1299	Foundation
1300	Mascara
2549	Blush
1300	Lipstick
1500	Eyeshadow
1300	Lip Gloss
2000	Palette
1200	Bronzer
1500	Contour
1500	Sunscreen
1600	Face Serums
2000	Cleansers
1800	Bathing Soaps
1900	Deodorants
2100	Shampoo

6. Display names, Price, ManufacturingDate of the Products whose name starts with 'C' in descending order of Price.

select ProdName, ProductPrice, ManufacturingDate from Product where ProdName like 'C%' order by ProductPrice desc;

Output:

ProdName	ProductPrice	ManufacturingDate
Cleansers	2000	24-10-2021 10.50
Contour	1500	10-10-2021 19.55
Concealer	599	01-10-2021 14.28
CC Cream	400	07-10-2021 13.19

7. Display ProductId, ProdName, productPrice, validity period of all the products.

select ProductId, ProdName, ProductPrice, datediff(Usebeforedate,ManufacturingDate) as ValidforDays from Product;

Output:

ProductId	ProdName	ProductPrice	ValidforDays
1	Foundation	1299	1832
2	Primer	899	1451
3	Concealer	599	2226
4	Eyeliner	499	2532
5	Mascara	1300	3325
6	Blush	2549	1152
7	Highlighter	699	2767
8	Lipstick	1300	1758
9	CC Cream	400	2036
10	Eyeshadow	1500	1633
11	Lip Gloss	1300	1954
12	Palette	2000	1333
13	Setting Spray	799	2463
14	Bronzer	1200	2911
15	Contour	1500	7003
16	Face Powder	300	4646
17	Moisturizer	799	2090
18	Eyebrow pencil	599	3157
19	Sunscreen	1500	10626
20	Face Serums	1600	2971
21	Cleansers	2000	3089
22	Bathing Soaps	1800	8800
23	Deodorants	1900	3237
24	Shampoo	2100	1588

8. Display the Customer names and the number of gifts each one received.

select CustName, count(GiftHamper) as Gifts from WomensDaySpecial group by CustName;

Output:

CustName	Gifts
Aidan Butler	1
Conner Flores	1
Hunter Sanders	1
Alberto Bryant	1
Carlos Patterson	1
Aaron Jenkins	1
Paul Ward	1
Hector Bailey	1
Adrain Cox	1
Douglas Evans	1
Joey Peterson	1
Charlie Murray	1
Scott Tucker	1
Martin Hicks	1
Tristin Crawford	1
Amara Atticus	1
Ava Ashar	1
Bella Baron	1
CoraBeckett	1
Ella Callum	1

9.Display the Id, names and ValidityDate of the Products that are worth rs. 499, rs.1300, rs.2549.

Select ProductId,ProdName, Usebeforedate From Product where ProductPrice = ANY (Select ProductPrice from Product where ProductPrice in (499,1300,2549));

Output:

ProductId	ProdName	Usebeforedate
4	Eyeliner	12-09-2028 12.00
5	Mascara	09-11-2030 12.00
6	Blush	05-12-2024 12.00
8	Lipstick	02-08-2026 12.00
11	Lip Gloss	14-02-2027 12.00

SUBQUERIES:

1. Display Price of the third highest costly Product.

select max(ProductPrice) from Product where ProductPrice < (select max(ProductPrice) from Product where ProductPrice < (select max(ProductPrice) from Product));

Output:

max(ProductPrice)
2000

2.Write a query to find the Manufacturing dates and Prices of the Products whose Price is greater than the Price of the Product with ProductId 23.

select ProdName,ProductPrice,ManufacturingDate, UsebeforeDate from Product where ProductPrice > (select ProductPrice from product where ProductId = 23);

Output:

ProdName	ProductPrice	ManufacturingDate	UsebeforeDate
Blush	2549	10-10-2021 17.16	05-12-2024 12.00
Palette	2000	14-10-2021 8.17	08-06-2025 12.00
Cleansers	2000	24-10-2021 10.50	09-04-2030 12.00
Shampoo	2100	28-10-2021 19.33	04-03-2026 12.00

3.Display LastName and Gender of the Customer named Shane.

select LastName, Gender from Customer where CustomerId = (select CustomerId from Customer where LastName = 'Matthews');

Output:

LastName	Gender
Matthews	Male

4.Display the names, Id, Gender and gifts of Customer Who received same Gift as Aidan Butler and Aaron Jenkins.

select CustomerId,CustName, Gender, GiftHamper

from WomensDaySpecial

where GiftHamper

in (select GiftHamper from WomensDaySpecial where CustName in ('Aidan Butler', 'Aaron Jenkins'));

Output:

CustomerId	CustName	Gender	GiftHamper
1	Aidan Butler	Female	Chocolates
10	Aaron Jenkins	Female	crockery set
25	Tristin Crawford	Female	Chocolates
28	Bella Baron	Female	crockery set

5. Write a query to find the Price of all products whose price is greater than the Price of Product With Product Id 19.

select ProdName, ProductPrice, ManufacturingDate from Product where ProductPrice > (select ProductPrice from Product where ProductId = 19);

Output:

ProdName	ProductPrice	ManufacturingDate
Blush	2549	10-10-2021 17.16
Palette	2000	14-10-2021 8.17
Face Serums	1600	29-10-2021 18.47
Cleansers	2000	24-10-2021 10.50
Bathing Soaps	1800	05-11-2021 18.19
Deodorants	1900	24-10-2021 13.48
Shampoo	2100	28-10-2021 19.33

JOINS:

1. Display the names of all the customers who have made purchases.

select Customer.CustomerId, concat(FirstName,' ',LastName) as Name

from Customer left join transaction

on Customer.CustomerId = Transaction.TransactionId where TransactionId is not null;

Output:

CustomerId	Name
1	Aidan Butler
2	Haroid Simmons
3	Conner Flores
4	Peter Bennett
5	Hunter Sanders
6	Eli Hughes
7	Alberto Bryant
8	Carlos Patterson
9	Shane Matthews
10	Aaron Jenkins
11	Marlin Watkins
12	Paul Ward
13	Ricardo Murphy
14	Hector Bailey
15	Alexis Beil
16	Adrain Cox
17	Kingston Martinez
18	Douglas Evans
19	Geraid Rivera
20	Joey Peterson
21	Johnny Gomez
22	Charlie Murray
23	Scott Tucker
24	Martin Hicks
25	Tristin Crawford
26	Amara Atticus
27	Ava Asher
28	Bella Baron

29	Cora	Beckett
30	Ella	Callum
31	Evie	Carson
32	Evelyn	Colt
33	Freya	Declan
34	Grace	Felix
35	Iris	George
36	Jane	Graham
37	Katherine	Henry
38	Layla	Jasper
39	Lillian	Jude
40	Lucy	Kai
41	Maeve	Leo
42	Margot	Luke
43	Mila	Max
44	Oaklyn	Noah
45	Palmer	Owen
46	Poppy	Roman
47	Reese	Samuel
48	Sadie	Sink
49	Stella	Silas
50	Thea	Theo

2.Display Brand Name, Product Name of only the Products named Foundation, Concealer, Eyeliner with date of Manufacturing performing the suitable join.

select BrandName, ProdName, ManufacturingDate

from Brand inner join Product

on Product.ProductId = Brand.BrandId

where ProdName in ('Foundation', 'Concealer',' Mascara','Eyeliner');

Output:

BrandName	ProdName	ManufacturingDate
LoveMe Cosmetics	Foundation	31-08-2021 4.30
Eternal Beauty	Concealer	01-10-2021 14.28
Pressed	Eyeliner	07-10-2021 11.22

3.Display the Country , Name and Price of Product using the join also the price range should vary somewhere between 500 and 1500.

select CountryOfOrigin , ProdName, ProductPrice

from Brand right join Product

on Brand.BrandId = Product.BrandId

where ProductPrice between 500 and 1500;

Output:

CountryOfOrigin	ProdName	ProductPrice
Russia	Foundation	1299
America	Primer	899
Zambia	Concealer	599
Zambia	Mascara	1300
Cuba	Highlighter	699
Pakistan	Lipstick	1300
Romania	Eyeshadow	1500
Saudi Arabia	Lip Gloss	1300
Argentina	Setting Spray	799
Armenia	Bronzer	1200
Thailand	Contour	1500
America	Moisturizer	799
China	Eyebrow pencil	599
Brazil	Sunscreen	1500

4.Write a query to find The Name of product and Id of Customers who bought the most expensive product also fetch the product name using suitable join.

select Customer.CustomerId, Transaction.TransactionId, Transaction.ProductPrice, Transaction.ProductName

from Customer inner join Transaction

on Customer.CustomerId = Transaction.CustomerId

where ProductPrice = (select max(ProductPrice) from Product);

Output:

CustomerId	TransactionId	ProductPrice	ProductName
50	5	2549	Blush
39	30	2549	Blush
23	54	2549	Blush