

CFG DATA &SQL Project

HIKARI SKIN

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EXAMPLE

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Introduction 光

HIKARI SKIN

- Hikari means Light/ Radiance in Japanese and the brand is all about creating an experience within the realm of beauty, allowing its customers reconnect with self to radiate a genuine inner glow.

- The database is keeping track of its customers and how each store is running and profiting.

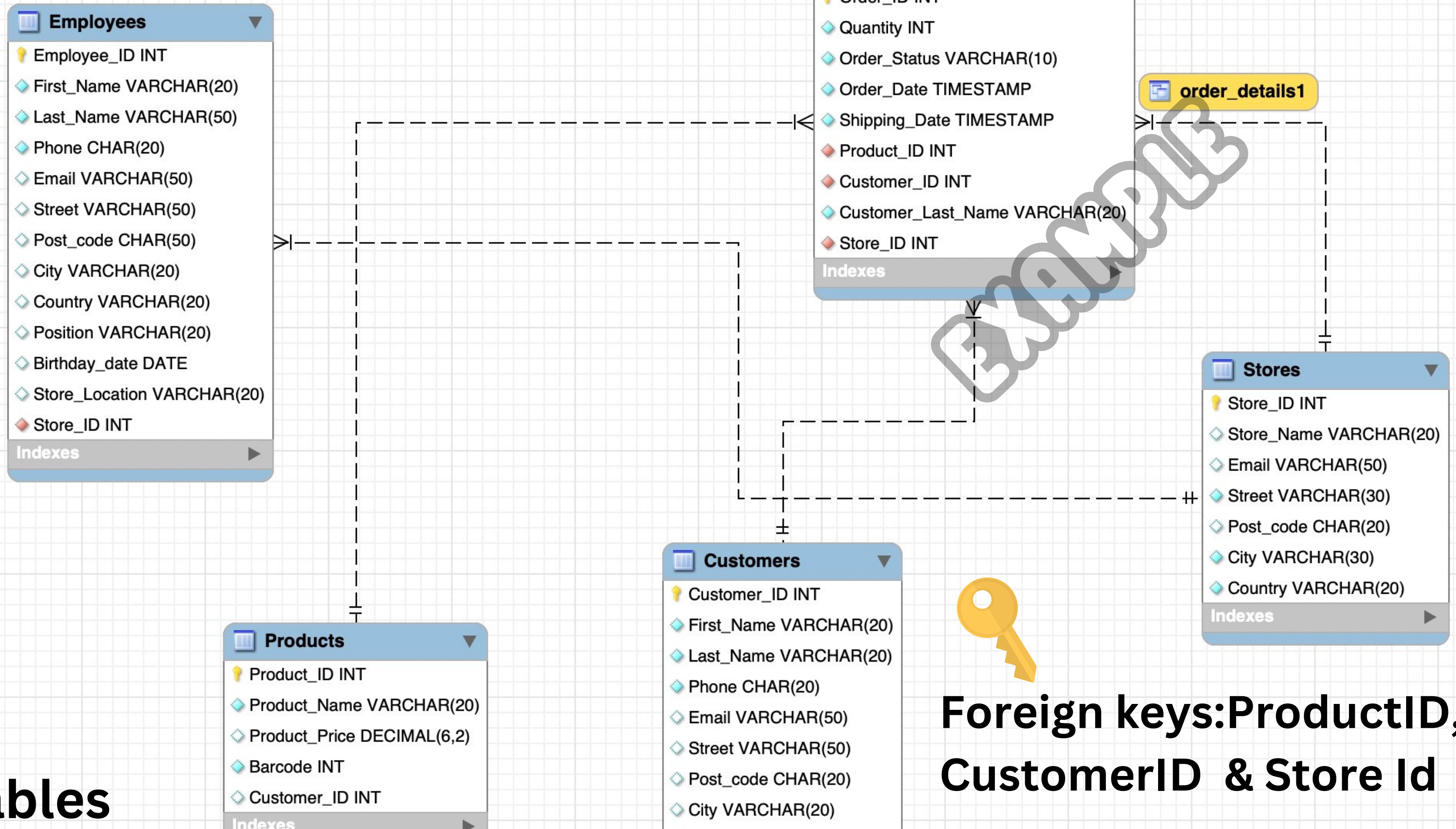


- Hikari Skin is now operating 4 stores in prime locations. 2 in the UK and 2 in Japan. London, Manchester, Tokyo and



ER diagram: HIKARI SKIN DB

The Tables reflect the various interconnected components that form the backbone of the business operations.



✓ 5 Tables

- **CREATE VIEW** Ordersmade **AS**
SELECT O.Order_ID, O.Quantity, O.Order_Status, O.Order_Date, O.Shipping_Date,
P.Product_Name,
C.First_Name, C.Last_Name, C.Phone,
S.Store_Name, S.City, S.Country
FROM Orders O
JOIN Products P **ON** O.Product_ID = P.Product_ID
JOIN Customers C **ON** O.Customer_ID = C.Customer_ID
JOIN Stores S **ON** O.Store_ID = S.Store_ID;

This View illustrates orders made it combines information from the orders, products, customers and stores using joins.

This view it is a great way of tracking customer behaviour including repeat customers and the products being ordered .



1 • **SELECT** * **FROM** HikariSkin.ordersmade;

100% 1:1

Result Grid Filter Rows: Search Export:

	Order_ID	Quantity	Order_Status	Order_Date	Shipping_Date	Product_Name	First_Name	Last_Name	Phone	Store_Name	City	Country
▶	111	5	PAID	2023-05-23 01:10:07	2023-05-23 01:10:07	Sunscreen	Nada	Laurent	07413046736	Hikari London	London	United Kingdom
	116	3	PAID	2023-05-23 01:10:07	2023-05-23 01:10:07	Face Mask	Hannah	Baker	07413078908	Hikari London	London	United Kingdom
	113	4	Pending	2023-05-23 01:10:07	2023-05-23 01:10:07	Exfoliator	Emily	Roberts	07712 345678	Hikari Manchester	Manchester	United Kingdom
	112	7	Pending	2023-05-23 01:10:07	2023-05-23 01:10:07	Eye Cream	Kenji	Tanaka	+81 90-5678-9012	Hikari Tokyo	Tokyo	Japan
	117	2	Pending	2023-05-23 01:10:07	2023-05-23 01:10:07	Toner	Ichiko	Aoba	+8186-311-9642	Hikari Tokyo	Tokyo	Japan
	114	2	PAID	2023-05-23 01:10:07	2023-05-23 01:10:07	Face Oil	Sora	Ito	+81 90-8901-2345	Hikari Kyoto	Kyoto	Japan
	118	1	PAID	2023-05-23 01:10:07	2023-05-23 01:10:07	Moisturizer	Mei	Yamazaki	+81 90-0123-4567	Hikari Kyoto	Kyoto	Japan

Join with a View

```
DELIMITER //
```

```
CREATE FUNCTION GetTotalEmployees (storeID INT) RETURNS INT  
DETERMINISTIC
```

```
BEGIN
```

```
DECLARE totalEmployees INT;
```

```
SELECT COUNT(*) INTO totalEmployees  
FROM Employees  
WHERE Store_ID = storeID;
```

```
RETURN totalEmployees;
```

```
END //
```

```
DELIMITER ;
```

Stored Function was created to calculate the number of employees in each specified store.

Stored function = GetTotalEmployees

Using a select statment to get results. Example shows number of employees who work in the London Store.

```
176
```

```
177 • SELECT GetTotalEmployees (400) AS LondonStore ;
```

```
178
```

```
179
```

```
180
```

```
100%
```



```
1:179
```

Result Grid



Filter Rows:



Search

Export:



Lond...

2

✓ Stored Function

```

SELECT Customer_ID, First_Name, Last_Name
FROM Customers
WHERE Country = 'United Kingdom'
AND Customer_ID IN (
    SELECT Customer_ID
    FROM Orders
    WHERE Order_Status = 'PAID'
);

```



My queries retrieve the customer information for customers in the UK who have placed orders and have paid in full

✓ Query + Sub-query

```

183 • SELECT Customer_ID, First_Name, Last_Name
184 FROM Customers
185 WHERE Country = 'United Kingdom'
186 AND Customer_ID IN (
187     SELECT Customer_ID
188     FROM Orders
189     WHERE Order_Status = 'PAID'
190 );

```

100% 23:187 1 error found

Result Grid



Filter Rows:

Search

Edit:



Export/Import:



	Customer_ID	First_Name	Last_Name
▶	140	Nada	Laurent
	160	Hannah	Baker
	NULL	NULL	NULL



Future improvements and examples to work on.

I would have demonstrated some more data manipulation by utilising the Stored Procedure: command update. An example would be to change a customers order from pending to paid.

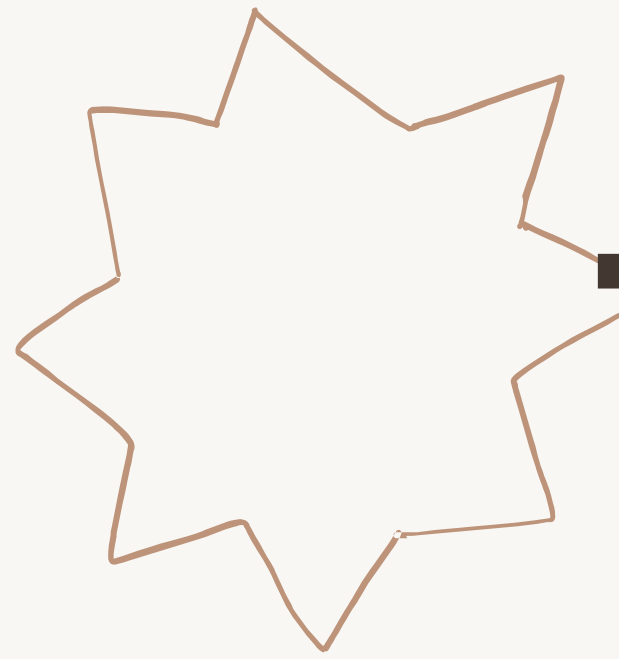


Any Questions?

Thank You



THE END!!!



Today's Agenda

1

Introduction: About My DB

3

Action examples

2

ER DIAGRAM

4

Conclusion