

DATABASE FINAL PROJECT

RETAIL & CLOTHING DATABASE

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SQL QUERY

- a) Search required records for your business (4 queries)
- b) Search results from multiple tables (Assuming this has joins - 3 queries)
 - **SQL Query to figure out the Name of employees managed by Michael ManagerID - 1**

Query Name - SQL_3_a_SelfJoin :

```
SELECT E.Employee_LastName, E.Employee_FirstName, E.ManagerID AS  
Supervisor_Employee_ID, EE.Employee_FirstName AS SupervisorName
```

```
FROM Employee AS E, Employee AS EE
```

```
WHERE E.ManagerID = EE.Employee_ID
```

```
AND
```

```
E.ManagerID = 1;
```

- **SQL Query to find Customer name, phone number along with the price and Product that they have purchased sorted by price.**

Query Name - SQL_3_B_CustomersWithHighestSpend

```
SELECT C.Customer_FirstName AS NAME, C.Customer_Phone AS  
PhoneNo, Product, Price
```

```
FROM
```

```
Customer AS C INNER JOIN
```

```
(SELECT P.Product_Description AS Product, P.Product_Price AS Price,  
O.Customer_ID
```

```
FROM Product AS P INNER JOIN
```

```
NewOrder AS O
```

```
ON
```

```
P.Product_ID = O.Prod_ID) AS Z
```

```
ON C.Customer_ID = Z.Customer_ID
```

```
ORDER BY Price DESC;
```

- **SQL Query to Find Customer Details and Shipping address whose delivery is still pending**

Query Name - SQL_3_C_NameAddressOfPendingOrders

```
SELECT C.Customer_FirstName & C.Customer_LastName AS Name,
S.Shipment_Destination AS DeliveryLocation

FROM Customer AS C INNER JOIN Shipment AS S ON C.Customer_ID
= S.Customer_ID

WHERE C.Customer_ID IN

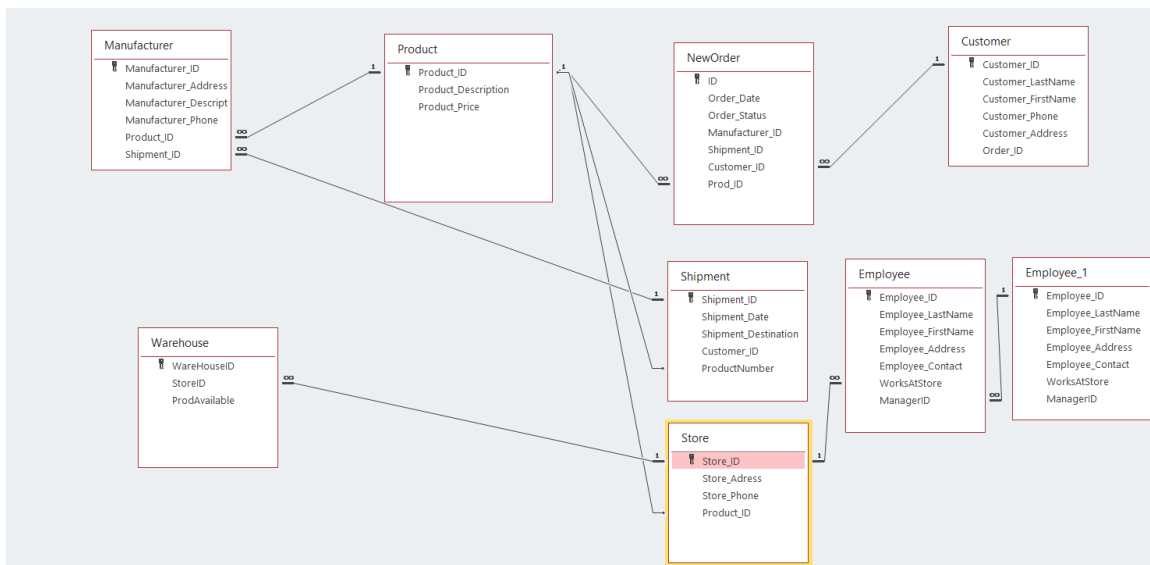
(SELECT Customer_ID

FROM NewOrder

WHERE Order_Status = 'Pending');
```

- c) Calculate functions for various extra business operations (3 to 4 queries)

SCHEMA DIAGRAM OR ACCESS RELATIONSHIP



TASK LIST

- Database Implementation and Data Ingestion
- Creating Access Table Relation
- Query Creation – (Part A of query section)

- Database Implementation and Data Ingestion
- Creating Access Table Relation
- Query Creation – (Part C of query section)
- Query Creation – (Part B of query section)
- Access Table Relationship and Schema Diagram
- Creating User Document