**BLUE DART DATA ANALYSIS**

**Over Viewing the data:**

SELECT \* FROM Order\_Details

SELECT \* FROM Orders

SELECT \* FROM Employee\_Details

SELECT \* FROM Categories

SELECT \* FROM Products

SELECT \* FROM Shippers

SELECT \* FROM Suppliers

**KPI’s Analysis:**

1. **TOTAL REVENUE**

SELECT FORMAT(SUM(OD.QUANTITY \* P.PRICE), 'C', 'EN-US') AS TOTAL\_REVENUE

FROM Order\_Details AS OD JOIN PRODUCTS AS P ON

OD.PRODUCTID = P.PRODUCTID

**OUTPUT:**



1. **TOTAL ORDERS**

SELECT COUNT(ORDERID) AS TOTAL\_ORDERS FROM ORDER\_DETAILS

**OUTPUT:**



1. **TOTAL QUANTITY**

SELECT SUM(QUANTITY) AS TOTAL\_QUANTITY FROM ORDER\_DETAILS

**OUTPUT:**

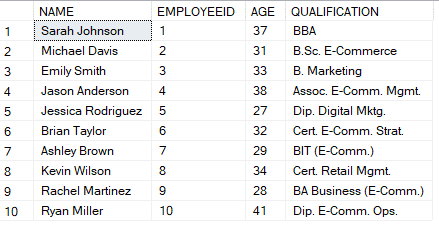


1. **SHOWCASING EMPLOYEES NAME, EMPLOYEES\_ID, QUALIFICATION BY THEIR AGE:**

SELECT NAME, EMPLOYEEID, AGE, QUALIFICATION

FROM EMPLOYEE\_DETAILS

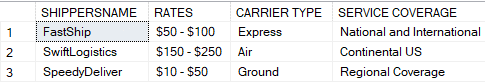
**Output:**



1. **SHOWCASING SHIPPERS NAME, RATE, CARRIER TYPE, SERVICE COVERAGE:**

SELECT SHIPPERSNAME, [RATES], [CARRIER TYPE], [SERVICE COVERAGE] FROM SHIPPERS

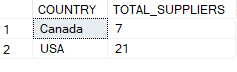
**Output:**



1. **VIEWING SUPPLIERS COUNT BY COUNTRY:**

SELECT COUNTRY, COUNT(SUPPLIERID) AS TOTAL\_SUPPLIERS FROM SUPPLIERS GROUP BY COUNTRY

**Output:**



1. **REVENUE BY EACH YEAR:**

SELECT DATEPART(YEAR, O.ORDERDATE) AS YEAR,

FORMAT(SUM(OD.QUANTITY \* P.PRICE),'C', 'EN-US') AS TOTAL\_REVENUE

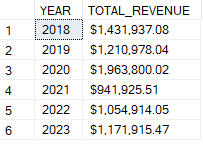
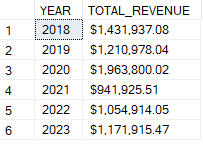
FROM ORDER\_DETAILS AS OD JOIN ORDERS AS O ON OD.ORDERID = O.ORDERID

JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

GROUP BY DATEPART(YEAR, O.ORDERDATE)

ORDER BY YEAR

**Output:**

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1. **REVENUE BY EACH QUARTER BY EVERY YEAR:**

SELECT YEAR,

FORMAT(SUM(CASE WHEN SQ.YEAR\_QUARTER = 1 THEN SQ.TOTAL\_REVENUE ELSE 0 END),'C', 'EN-US') AS Q1\_REVENUE,

FORMAT(SUM(CASE WHEN SQ.YEAR\_QUARTER = 2 THEN SQ.TOTAL\_REVENUE ELSE 0 END),'C', 'EN-US') AS Q2\_REVENUE,

FORMAT(SUM(CASE WHEN SQ.YEAR\_QUARTER = 3 THEN SQ.TOTAL\_REVENUE ELSE 0 END),'C', 'EN-US') AS Q3\_REVENUE,

FORMAT(SUM(CASE WHEN SQ.YEAR\_QUARTER = 4 THEN SQ.TOTAL\_REVENUE ELSE 0 END),'C', 'EN-US') AS Q4\_REVENUE

FROM(SELECT DATEPART(YEAR, O.ORDERDATE) AS YEAR,

DATEPART(QUARTER, O.ORDERDATE) AS YEAR\_QUARTER,

SUM(OD.QUANTITY \* P.PRICE) AS TOTAL\_REVENUE

FROM ORDER\_DETAILS AS OD JOIN ORDERS AS O ON OD.ORDERID = O.ORDERID

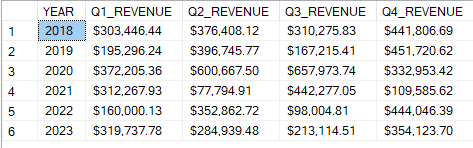
JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

GROUP BY DATEPART(YEAR, O.ORDERDATE),DATEPART(QUARTER, O.ORDERDATE)) AS SQ

GROUP BY SQ.YEAR

ORDER BY SQ.YEAR

**Output**

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1. **TOP 5 PRODUCTS SOLD BY QUANTITY:**

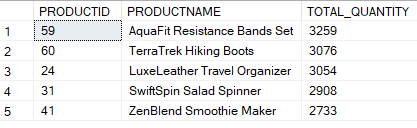
SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME, SUM(OD.QUANTITY) AS TOTAL\_QUANTITY

FROM ORDER\_DETAILS AS OD JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

GROUP BY OD.PRODUCTID, P.PRODUCTNAME

ORDER BY TOTAL\_QUANTITY DESC

**Output:**

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1. **BOTTOM 5 PRODUCTS SOLD BY QUANTITY:**

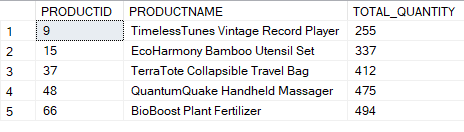
SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME, SUM(OD.QUANTITY) AS TOTAL\_QUANTITY

FROM ORDER\_DETAILS AS OD JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

GROUP BY OD.PRODUCTID, P.PRODUCTNAME

ORDER BY TOTAL\_QUANTITY

**Output:**



1. **5 HIGH REVENUE GENERATING PRODUCTS:**

SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME,

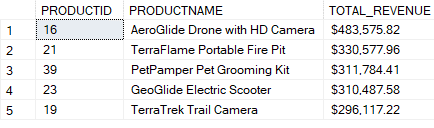
FORMAT(SUM(OD.QUANTITY \* P.PRICE), 'C','EN-US') AS TOTAL\_REVENUE

FROM ORDER\_DETAILS AS OD JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

GROUP BY OD.PRODUCTID, P.PRODUCTNAME

ORDER BY SUM(OD.QUANTITY\* P.PRICE) DESC

**OUTPUT:**



1. **5 LEAST REVENUE GENERATING PRODUCTS:**

SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME,

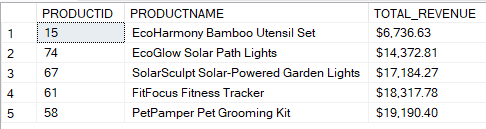
FORMAT(SUM(OD.QUANTITY \* P.PRICE), 'C','EN-US') AS TOTAL\_REVENUE

FROM ORDER\_DETAILS AS OD JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

GROUP BY OD.PRODUCTID, P.PRODUCTNAME

ORDER BY SUM(OD.QUANTITY\* P.PRICE)

**OUTPUT:**

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**13. 5 MOST ORDERED PRODUCTS:**

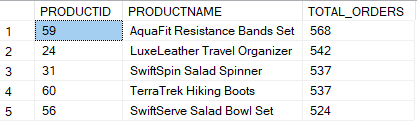
SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME, COUNT(OD.ORDERID) AS TOTAL\_ORDERS

FROM ORDER\_DETAILS AS OD JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

GROUP BY OD.PRODUCTID, P.PRODUCTNAME

ORDER BY TOTAL\_ORDERS DESC

**OUTPUT:**

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1. **5 LEAST ORDERED PRODUCTS:**

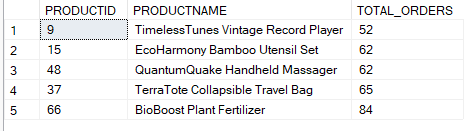
SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME, COUNT(OD.ORDERID) AS TOTAL\_ORDERS

FROM ORDER\_DETAILS AS OD JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

GROUP BY OD.PRODUCTID, P.PRODUCTNAME

ORDER BY TOTAL\_ORDERS

**OUTPUT:**

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1. **SALES BY CATEGORY:**

SELECT P.CATEGORYID, C.CATEGORYNAME, COUNT(OD.ORDERID) AS TOTAL\_ORDERS,

FORMAT(SUM(OD.QUANTITY \* P.PRICE), 'C','EN-US') AS TOTAL\_REVENUE

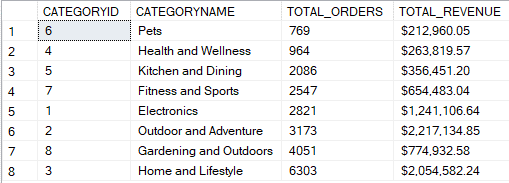
FROM ORDER\_DETAILS AS OD JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

JOIN CATEGORIES AS C ON P.CATEGORYID = C.CATEGORYID

GROUP BY P.CATEGORYID, C.CATEGORYNAME

ORDER BY TOTAL\_ORDERS

**OUTPUT:**



1. **MOST USED PAYMENT METHOD:**

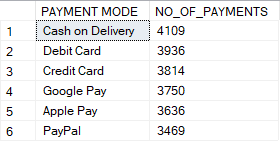
SELECT O.[PAYMENT MODE], COUNT(O.[PAYMENT MODE]) AS NO\_OF\_PAYMENTS

FROM ORDER\_DETAILS AS OD JOIN ORDERS AS O ON OD.ORDERID = O.ORDERID

GROUP BY O.[PAYMENT MODE]

ORDER BY NO\_OF\_PAYMENTS DESC

**OUTPUT:**

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