**BLUE DART DATA Analysis**

**Over-Viewing the data**

SELECT \* FROM ORDER\_DETAILS

SELECT \* FROM ORDERS

SELECT \* FROM PRODUCTS

SELECT \* FROM SHIPPERS

SELECT \* FROM SUPPLIERS

SELECT \* FROM CATEGORIES

SELECT \* FROM EMPLOYEE\_DETAILS

**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

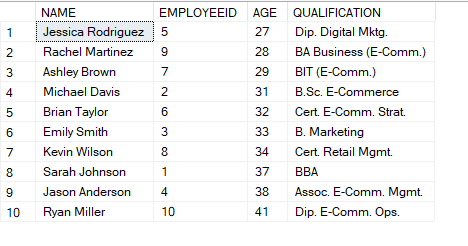
**OUTPUT:**

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1. **Showcasing Employees Name, Employee ID, Qualifications and Age**

SELECT NAME, EMPLOYEEID, AGE, QUALIFICATION FROM EMPLOYEE\_DETAILS ORDER BY AGE

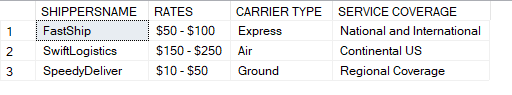
**OUTPUT:**

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1. **Showcasing Shippers Name, Rate, Carrier Type, Service Coverage**

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

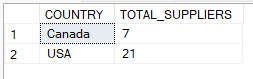
**OUTPUT:**



1. **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

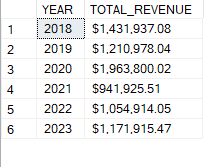
FROM ORDER\_DETAILS AS OD JOIN ORDERS AS O ON OD.ORDERID = O.ORDERID

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 for Every Year**

SELECT SQ.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

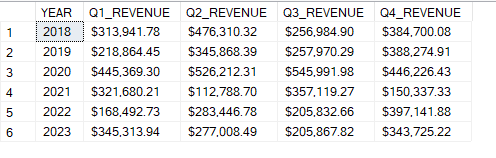
JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

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**

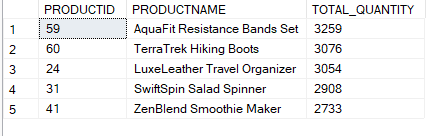
SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME, SUM(OD.QUANTITY) AS TOTAL\_QUANTITY

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**

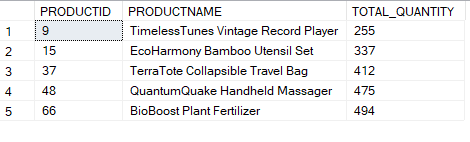
SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME, SUM(OD.QUANTITY) AS TOTAL\_QUANTITY

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:**

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1. **5 High Revenue Generated Products**

SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME,

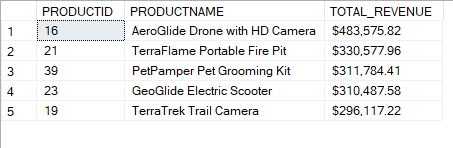
FORMAT(SUM(OD.QUANTITY \* P.PRICE),'C','EN-US') AS TOTAL\_REVENUE

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 Low Revenue Generated Products**

SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME,

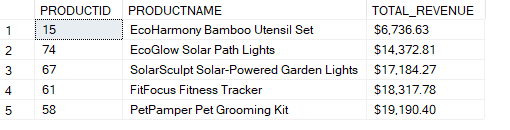
FORMAT(SUM(OD.QUANTITY \* P.PRICE),'C','EN-US') AS TOTAL\_REVENUE

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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1. **5 Most Ordered Products**

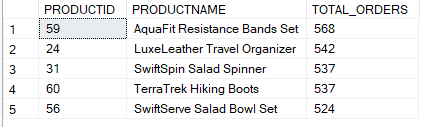
SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME, COUNT(OD.ORDERID)AS TOTAL\_ORDERS

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:**



1. **5 Least Ordered Products**

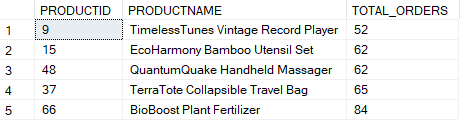
SELECT TOP 5 OD.PRODUCTID, P.PRODUCTNAME, COUNT(OD.ORDERID)AS TOTAL\_ORDERS

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

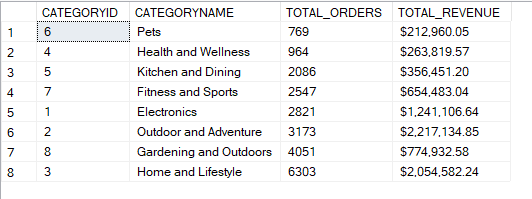
FROM ORDER\_DETAILS AS OD JOIN PRODUCTS AS P ON OD.PRODUCTID = P.PRODUCTID

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

GROUP BY P.CATEGORYID, C.CATEGORYNAME

ORDER BY TOTAL\_ORDERS

**OUTPUT:**

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1. **Most Used Payment Method**

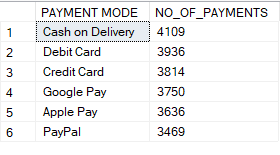
SELECT O.[PAYMENT MODE], COUNT(O.[PAYMENT MODE]) AS NO\_OF\_PAYMENTS

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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