1. **Query**

SELECT

I.ItemDescription,

O.OrderYear,

O.OrderMonth,

SUM(I.ItemPrice) AS 'Sum of Revenue',

SUM(O.OrderQuantity) AS quantity

FROM

Orders O

LEFT JOIN

Items I ON I.IDItem = O.IDItem

WHERE

O.OrderStatus IN (‘2’, '4', '5') AND

O.OrderMonth IN (4, 5, 6) AND

O.Hex IN (SELECT Hex FROM Colors WHERE ColorName = 'Blue')

GROUP BY

I.ItemDescription,

O.OrderYear,

O.OrderMonth

ORDER BY

I.ItemDescription,

O.OrderYear DESC,

O.OrderMonth;

2.) **Columns that should be Indexed are**

TOrders - IDOrder, OrderStatus, hex, OrderMonth

TItems - IdItem

TColor - IDColor

**Note**: - If ID Columns are PrimaryKey then those are Indexed by default.

3.) **Improvements**

In order table we can update ‘Hex’ Column to store ID from color table