

1)

```

SELECT c.CustomerName, SUM(SalesPrice) AS "Total Sales"
  FROM Fact_ProductSales f
 JOIN Dim_Customer c
 ON f.CustomerID = c.CustomerID
 WHERE c.CustomerName = "Melinda Gates";

```

#	CustomerName	Total Sales
1	Melinda Gates	237.00

2)

```

-- number 2
SELECT StoreName, SUM(SalesPrice * Quantity) AS "Revenus"
  FROM Dim_Date d, Fact_ProductSales f, Dim_Store s
 WHERE YEAR = "2013" AND MONTHNAME = 'March' AND DateKey = SalesDateKey AND f.storeID = s.storeID
 GROUP BY storeName ;

```

#	StoreName	Revenus
1	ValueMart Boulder	590.50
2	ValueMart Lyons	50.00

3)

```

SELECT SalesPersonName, SUM(Quantity * SalesPrice)
  FROM Dim_SalesPerson
 JOIN Fact_ProductSales f
   ON f.SalesPersonID = Dim_SalesPerson.SalesPersonID
 GROUP BY f.SalesPersonID
 ORDER BY SUM(Quantity * SalesPrice) DESC
 limit 1;

```

#	SalesPersonName	SUM(Quantity * SalesPrice)
1	Tom Petty	974.50

4)

```
-- number 4
SELECT ProductName, SUM((SalesPrice * Quantity) - (ProductCost * Quantity)) AS "Largest Profit"
FROM Dim_Product
JOIN Fact_ProductSales f
ON f.ProductID = Dim_Product.ProductKey
GROUP BY f.ProductID
ORDER BY SUM(Quantity * SalesPrice) DESC
limit 1;
```

#	ProductName	Largest Profit
1	Dawn Dish Soap, case	108.00

5)

```
SELECT MONTHNAME, SUM(SalesPrice * Quantity) AS "Total sales revenue"
FROM Dim_Date d
JOIN Fact_ProductSales f
ON f.SalesDateKey = d.DateKey
JOIN Dim_Store s
ON f.StoreID = s.StoreID
WHERE d.YEAR = "2013"
GROUP BY MONTHNAME
HAVING MONTHNAME = "March" OR MONTHNAME = "January" OR MONTHNAME = "February";
```

#	MONTHNAME	Total sales revenue
1	February	757.00
2	January	705.50
3	March	640.50

The company/warehouse employees might get lazy or their stock is decreasing since February because it was not bad in January, even better in February, but March, the sales is not good.