HW\_4\_DataWarehouse

1. SELECT SalesPersonName,

SUM(fact\_productsales.SalesPrice\*fact\_productsales.Quantity)

as 'Total Revenue'

from dim\_salesperson

JOIN fact\_productsales

on dim\_salesperson.SalesPersonID=fact\_productsales.SalesPersonID

Join dim\_date

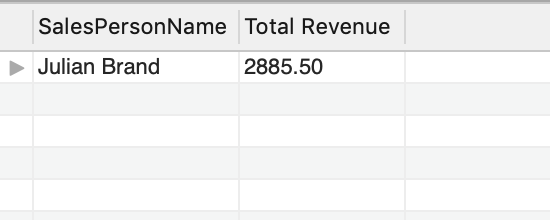
on fact\_productsales.SalesDateKey=dim\_date.DateKey

WHERE dim\_date.Year=2012

GROUP BY SalesPersonName

ORDER BY SUM(fact\_productsales.SalesPrice\*fact\_productsales.Quantity) DESC

LIMIT 1;



1. SELECT CustomerName,

SUM(fact\_productsales.SalesPrice\*fact\_productsales.Quantity)

as 'Total Revenue'

from dim\_customer

Join fact\_productsales

on fact\_productsales.CustomerID=dim\_customer.CustomerID

Join dim\_date

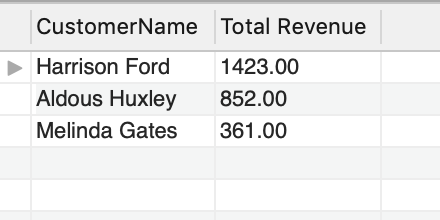
on fact\_productsales.SalesDateKey=dim\_date.DateKey

WHERE dim\_date.Year=2013

GROUP BY CustomerName

ORDER BY SUM(fact\_productsales.SalesPrice\*fact\_productsales.Quantity) DESC

LIMIT 3;



1. SELECT YEAR,

fact\_productsales.StoreID,SUM(SalesPrice)

as 'Total Sales Price'

from Dim\_Date

JOIN fact\_productsales

on fact\_productsales.SalesDateKey=dim\_date.DateKey

where Dim\_Date.YEAR BETWEEN 2016 and 2017

GROUP BY Dim\_Date.YEAR,fact\_productsales.StoreID;



1. SELECT ProductName,

SUM((ProductSalesPrice-ProductActualCost)\*fact\_productsales.Quantity)

as 'Profit'

from dim\_product

JOIN fact\_productsales

on dim\_product.ProductKey=fact\_productsales.ProductID

JOIN dim\_date

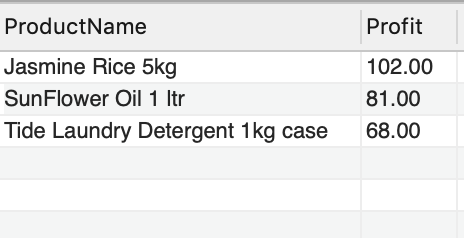
on fact\_productsales.SalesDateKey=dim\_date.DateKey

where dim\_date.Year=2015

GROUP BY dim\_product.ProductName

ORDER BY SUM((ProductSalesPrice-ProductActualCost)\*fact\_productsales.Quantity) DESC

LIMIT 3;



1. SELECT QUARTER,

SUM(fact\_productsales.SalesPrice\*fact\_productsales.Quantity)

as 'revenue'

from dim\_date

JOIN fact\_productsales

on fact\_productsales.SalesDateKey=dim\_date.DateKey

Join dim\_store

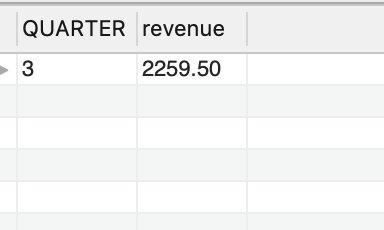
on dim\_store.StoreID=fact\_productsales.StoreID

WHERE dim\_store.StoreName='ValueMart Boulder' and dim\_date.Year=2016

GROUP BY dim\_date.QUARTER

Order BY SUM(fact\_productsales.SalesPrice\*fact\_productsales.Quantity) DESC

LIMIT 1;



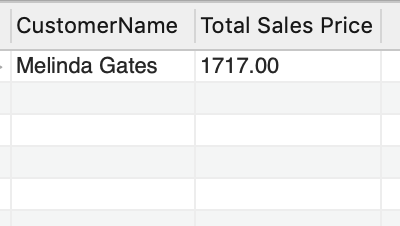
1. SELECT CustomerName, SUM(SalesPrice) as 'Total Sales Price'

FROM Fact\_ProductSales

JOIN Dim\_Customer

ON Fact\_ProductSales.CustomerID = Dim\_Customer.CustomerID

WHERE Dim\_Customer.CustomerName = "Melinda Gates";



1. SELECT StoreName,

SUM(fact\_productsales.SalesPrice\*fact\_productsales.Quantity)

as 'Total Revenue'

FROM dim\_store

JOIN fact\_productsales

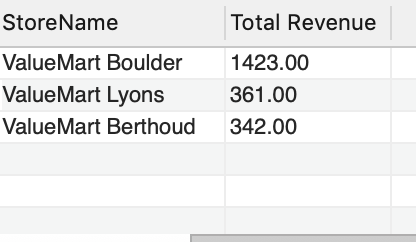
on dim\_store.StoreID=fact\_productsales.StoreID

JOIN dim\_date

on fact\_productsales.SalesDateKey=dim\_date.DateKey

where dim\_date.YEAR=2013 and dim\_date.MONTH ='3'

GROUP BY StoreName;



1. SELECT SalesPersonName,

SUM(fact\_productsales.SalesPrice\*fact\_productsales.Quantity)

as 'Total Revenue'

FROM dim\_salesperson

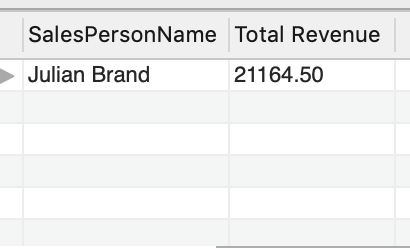
JOIN fact\_productsales

ON dim\_salesperson.SalesPersonID=fact\_productsales.SalesPersonID

GROUP BY dim\_salesperson.SalesPersonName

ORDER BY SUM(fact\_productsales.SalesPrice\*fact\_productsales.Quantity) DESC

LIMIT 1;



1. SELECT ProductName,

SUM((Fact\_ProductSales.salesprice\*Fact\_ProductSales.quantity)-(Fact\_ProductSales.productcost\*Fact\_ProductSales.quantity))

as 'Profit'

FROM dim\_product

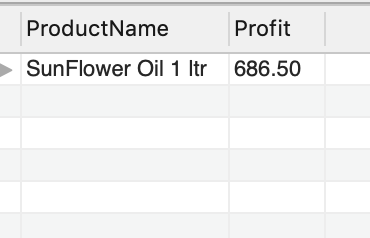
Join Fact\_ProductSales

on dim\_product.ProductKey=fact\_productsales.ProductID

GROUP BY ProductName

ORDER BY SUM((Fact\_ProductSales.salesprice\*Fact\_ProductSales.quantity)-(Fact\_ProductSales.productcost\*Fact\_ProductSales.quantity)) DESC

LIMIT 1;



1. SELECT YEAR,MONTHNAME,

SUM(fact\_productsales.SalesPrice\*fact\_productsales.Quantity)

as 'Total Revenue'

FROM dim\_date

JOIN fact\_productsales

on dim\_date.DateKey=fact\_productsales.SalesDateKey

WHERE (dim\_date.MONTH='1' or dim\_date.MONTH='2' or dim\_date.MONTH='3')

and dim\_date.YEAR=2017

GROUP BY YEAR,MONTHNAME;

