

Assignment2 OJAS PHANSEKAR 001826636

2)

a) Total sales

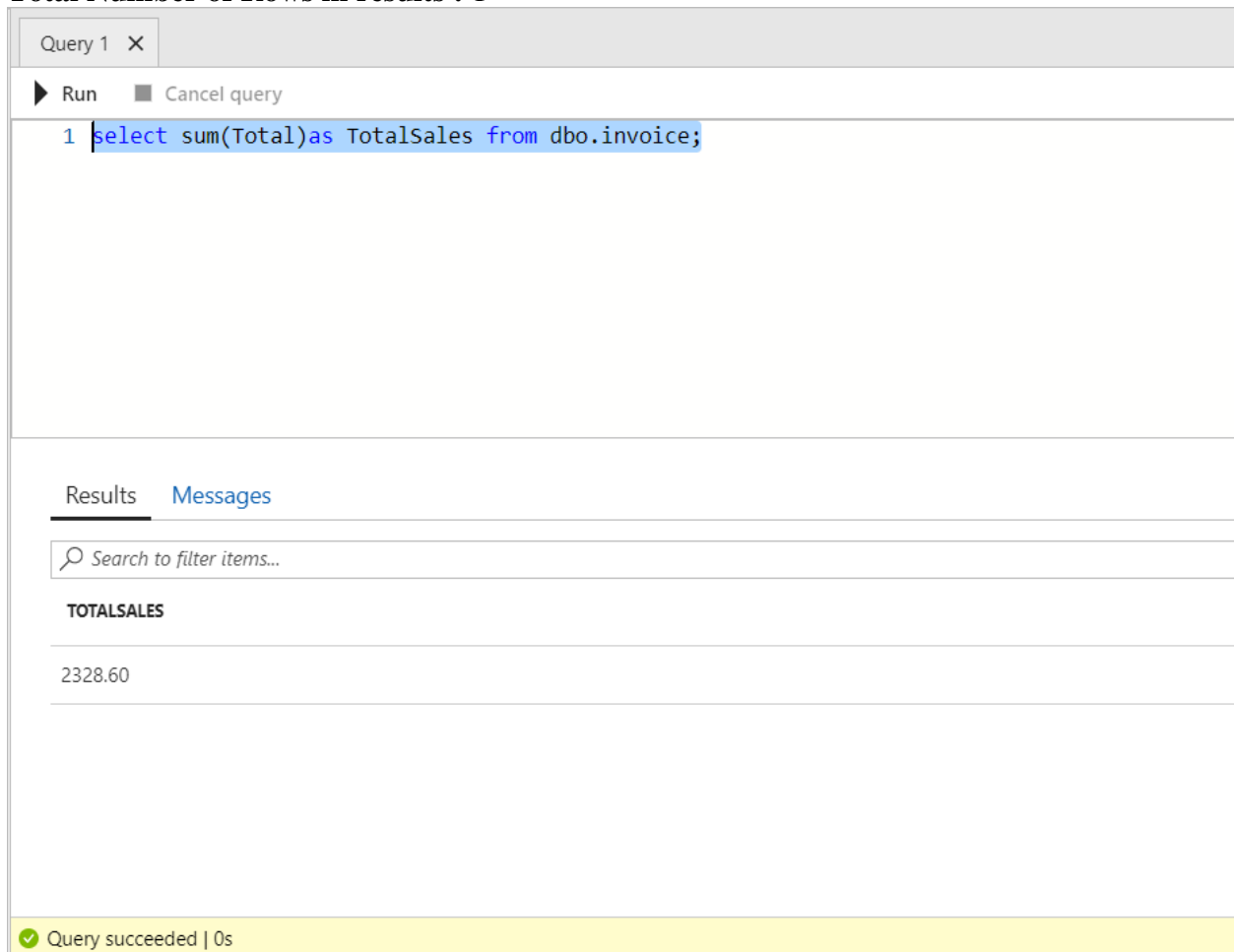
SQL Query: `select sum(Total)as TotalSales from dbo.invoice;`

Input Tables: dbo.invoice

Input Columns : Total

Output Columns : TotalSales

Total Number of Rows in results : 1



The screenshot shows the SQL Server Enterprise Manager interface. At the top, there's a tab labeled 'Query 1'. Below it, a toolbar contains 'Run' and 'Cancel query' buttons. The query editor displays the SQL query: `1 select sum(Total)as TotalSales from dbo.invoice;`. Below the query editor, there are two tabs: 'Results' and 'Messages'. The 'Results' tab is active, showing a table with one column named 'TOTALSALES' and one row with the value '2328.60'. At the bottom, a status bar indicates 'Query succeeded | 0s'.

TOTALSALES
2328.60

b) Total Sales by Country – Ranked

SQL Query: `select customer.country,sum(Total)as TotalSales from dbo.invoice inner join customer on invoice.CustomerId = customer.CustomerId group by customer.country order by TotalSales DESC;`

Input Tables: invoice, customer

Input Columns : country, Total

Output Columns : country, TotalSales

Total Number of Rows in results : 24

Query 1 X	
Run Cancel query	
1 select customer.country,sum(Total)as TotalSales from dbo.invoice inner join customer on invoice.Cust	
Results Messages	
Poland	37.62
Italy	37.62
Belgium	37.62
Argentina	37.62
Australia	37.62
Denmark	37.62

c) Total sales by country,state,city

SQL Query: select customer.Country, customer.State , customer.City ,sum(Total)as TotalSales from dbo.invoice inner join customer on invoice.CustomerId = customer.CustomerId group by customer.Country, customer.State , customer.City order by TotalSales DESC;

Input Tables : customer, invoice

Input Columns : country, state,city,Total

Output Columns : country,state,city,TotalSales

Total Number of Rows in results : 53

Query 1 X

▶ Run ■ Cancel query

```
1 select customer.Country, customer.State , customer.City ,sum(Total)as TotalSales from dbo.
```

Results Messages

Search to filter items...

COUNTRY	STATE	CITY	TOTALSALES
Czech Republic		Prague	90.24
France		Paris	77.24
USA	CA	Mountain View	77.24
United Kinardom		London	75.24

✔ Query succeeded | 0s

d) Total sales by customer – ranked

SQL Query: `select (customer.FirstName + SPACE(1) + customer.LastName) as FullName ,sum(Total)as TotalSales from dbo.invoice inner join customer on invoice.CustomerId = customer.CustomerId group by (customer.FirstName + SPACE(1) + customer.LastName) order by TotalSales DESC;`

Input Tables: customer,invoice

Input Columns : customer.FirstName,customer.LastName,

Output Columns : FullName,TotalSales

Total Number of Rows in results : 59

Query 1

Run
Cancel query

```

1 select (customer.FirstName + SPACE(1) + customer.LastName ) as FullName ,sum(Total)as Total

```

Results
Messages

Search to filter items...

FULLNAME	TOTALSALES
Helena Holý	49.62
Richard Cunningham	47.62
Luis Rojas	46.62
Ladislav Kovács	45.62

Query succeeded | 0s

e) Total sales by artist – ranked

SQL Query: `select artist.Name,sum(invoiceline.Quantity*invoiceline.UnitPrice) as Total_Sales from invoiceline inner join track on invoiceline.TrackId = track.TrackId inner join album on track.AlbumId = album.AlbumId inner join artist on artist.ArtistId = album.ArtistId group by artist.Name order by Total_Sales DESC;`

Input Tables: artist,invoiceline,album,track

Input Columns :

artist.Name,invoiceline.Quantity,invoiceline.UnitPrice,invoiceline.TrackId,track,TrackId,track.AlbumId,album.AlbumId,artist.ArtistId,album.ArtistId

Output Columns : Name,Total_Sales

Total Number of Rows in results : 32

Query 1

Run
Cancel query

```
1 select artist.Name,sum(invoiceline.Quantity*invoiceline.UnitPrice) as Total_Sales from invoiceline i
```

ResultsMessages

Search to filter items...

NAME	TOTAL_SALES
Iron Maiden	138.60
U2	105.93
Metallica	90.09
Led Zeppelin	86.13

Query succeeded | 0s

f) Total sales by album – ranked

SQL Query: `select album.Title,sum(invoiceline.Quantity*invoiceline.UnitPrice) as Total_Sales from invoiceline inner join track on invoiceline.TrackId = track.TrackId inner join album on track.AlbumId = album.AlbumId group by album.Title order by Total_Sales DESC;`

Input Tables: album,track,invoiceline

Input Columns :

album.Title,invoiceline.Quantity,invoiceline.UnitPrice,invoiceline.TrackId,track.TrackId,track.AlbumId,album.AlbumId

Output Columns : title>Total_Sales

Total Number of Rows in results : 303

Query 1 X

Run Cancel query

```
1 select album.Title,sum(invoiceline.Quantity*invoiceline.UnitPrice) as Total_Sales from invoiceline i
```

Results Messages

Search to filter items...

TITLE	TOTAL_SALES
Battlestar Galactica (Classic), Season 1	35.82
The Office, Season 3	31.84
Minha Historia	26.73
Lost, Season 2	25.87

Query succeeded | 1s

g) **Total Sales by employee(Sales Person) – ranked**

SQL Query: `select (employee.FirstName + SPACE(1) + employee.LastName) as FullName ,sum(Total)as TotalSales from dbo.invoice inner join customer on invoice.CustomerId = customer.CustomerId inner join employee on customer.SupportRepId = employee.EmployeeId group by (employee.FirstName + SPACE(1) + employee.LastName) order by TotalSales DESC;group by productCat.name order by Total_Sales desc;`

Input Tables: invoice,customer,employee

Input Columns : employee.FirstName,employee.LastName,invoice.Total

Output Columns : FullName,TotalSales

Total Number of Rows in results : 3

Query 1 X

Run Cancel query

```

1 select (employee.FirstName + SPACE(1) + employee.LastName ) as FullName ,sum(Total)as TotalSales fro
2

```

Results Messages

Search to filter items...

FULLNAME	TOTALSALES
Jane Peacock	833.04
Margaret Park	775.40
Steve Johnson	720.16

Query succeeded | 0s

h) Total Track bought and total revenue by media type

SQL Query: `select mediatype.name,count(track.TrackId) as TracksBought, sum(invoiceline.UnitPrice*invoiceline.Quantity) as TotalRevenue from invoiceline inner join track on invoiceline.TrackId = track.TrackId inner join mediatype on track.MediaTypeId = mediatype.MediaTypeId group by mediatype.Name order by TotalRevenue DESC;`

Input Tables: invoiceline,track,mediatype

Input Columns :

mediatype.name,track.TrackId,invoiceline.UnitPrice,invoiceline.Quantity

Output Columns : name, TRACKSBOUGHT, TOTALREVENUE

Total Number of Rows in results : 5

Query 1

RunCancel query

1 select mediatype.name,count(track.TrackId) as TracksBought, sum(invoiceline.UnitPrice*invoiceline.Qu

ResultsMessages

Search to filter items...

NAME	TRACKSBOUGHT	TOTALREVENUE
MPEG audio file	1976	1956.24
Protected MPEG-4 video file	111	220.89
Protected AAC audio file	146	144.54
Purchased AAC audio file	4	3.96
AAC audio file	3	2.97

✔ Query succeeded | 0s

Query 1 X

▶ Run

■ Cancel query

1

select SalesLT.Product.ProductID,SalesLT.Product.Name, sum((SalesLT.SalesOrderDetail.UnitPrice - Sal

2

3

|

Results

Messages

🔍 Search to filter items...

PRODUCTID	NAME	TOTAL_SALES
976	Road-350-W Yellow, 48	38609.9730
969	Touring-1000 Blue, 60	37191.4920
783	Mountain-200 Black, 42	37178.8380
782	Mountain-200 Black, 38	35801.8440

✔ Query succeeded | 1s