

## 1. Total sales \$

```
1.
select sum(total) [Total Sales] from invoice

2.
select c.country Country, sum(total) [Total Sales]
from invoice i
inner join customer c on i.CustomerId=c.CustomerId
group by c.country
order by 2 desc

3.
select c.country Country, c.state State, c.city City, sum(total) [Total Sales]
from invoice i
```

06 %

Results Messages

	Total Sales
1	2328.60

## 2. Total sales \$ by customer's country – ranked (sorted largest to smallest)

```
2.
select c.country Country, sum(total) [Total Sales]
from invoice i
inner join customer c on i.CustomerId=c.CustomerId
group by c.country
order by 2 desc

3.
select c.country Country, c.state State, c.city City, sum(total) [Total Sales]
from invoice i
```

06 %

Results Messages

	Country	Total Sales
1	USA	523.06
2	Canada	303.96
3	France	195.10
4	Brazil	190.10
5	Germany	156.48
6	United Kingdom	112.86
7	Czech Republic	90.24
8	Portugal	77.24
9	India	75.26
10	Chile	46.62
11	Ireland	45.62

3. Total sales \$ by customer's geo (country, state & city)

```
3.
select c.country Country, c.state State, c.city City, sum(total) [Total Sales]
from invoice i
inner join customer c on i.CustomerId=c.CustomerId
group by c.country, c.state, c.city
order by 2 desc
```

```
4.
select c.FirstName+' ' +c.LastName, sum(total) [Total Sales]
from invoice i
inner join customer c on i.CustomerId=c.CustomerId
group by c.FirstName+' ' +c.LastName
```

06 %

Results Messages

	Country	State	City	Total Sales
1	USA	WI	Madison	42.62
2	USA	WA	Redmond	39.62
3	Netherlands	VV	Amsterdam	40.62
4	USA	UT	Salt Lake City	43.62
5	USA	TX	Fort Worth	47.62
6	Brazil	SP	São José dos Campos	39.62
7	Brazil	SP	São Paulo	75.24
8	Italy	RM	Rome	37.62
9	Brazil	RJ	Rio de Janeiro	37.62
10	Canada	QC	Montréal	39.62
11	Canada	ON	Ottawa	37.62

✓ Query executed successfully.

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4. Total sales \$ by customer (a person with last name & first name) – ranked (sorted largest to smallest)

```
4.
select c.FirstName+' ' +c.LastName, sum(total) [Total Sales]
from invoice i
inner join customer c on i.CustomerId=c.CustomerId
group by c.FirstName+' ' +c.LastName
order by 2 desc

5.
select c.company, sum(total) [Total Sales]
from invoice i
right join customer c on i.CustomerId=c.CustomerId
```

5 %

Results Messages

	(No column name)	Total Sales
	Helena Holý	49.62
	Richard Cunningham	47.62
	Luis Rojas	46.62
	Ladislav Kovács	45.62
	Hugh O'Reilly	45.62
	Fynn Zimmermann	43.62
	Julia Barnett	43.62
	Frank Ralston	43.62
	Astrid Gruber	42.62
0	Victor Stevens	42.62
1	Terhi Hämäläinen	41.62

Query executed successfully.

Ready

## 5. Total sales \$ by company

```
5.
select c.company, sum(total) [Total Sales]
from invoice i
right join customer c on i.CustomerId=c.CustomerId
group by c.company
order by 2 desc

6.
select art.[Name], sum(total)
from invoice i
inner join InvoiceLine il on i.InvoiceId=il.InvoiceId
inner join track t on t.TrackId=il.TrackId
inner join album a on a.AlbumId=t.AlbumId
```

106 %

Results Messages

	company	Total Sales
1	NULL	1943.40
2	JetBrains s.r.o.	40.62
3	Microsoft Corporation	39.62
4	Embraer - Empresa Brasileira de Aeronáutica S.A.	39.62
5	Apple Inc.	38.62
6	Rogers Canada	38.62
7	Telus	37.62
8	Woodstock Discos	37.62
9	Riotur	37.62
10	Banco do Brasil S.A.	37.62
11	Google Inc.	37.62

6. Total sales \$ by artist – ranked (sorted largest to smallest)

```
6.
select art.[Name], sum(total)
from invoice i
inner join InvoiceLine il on i.InvoiceId=il.InvoiceId
inner join track t on t.TrackId=il.TrackId
inner join album a on a.AlbumId=t.AlbumId
inner join Artist art on art.ArtistId=a.ArtistId
group by art.[Name]
order by 2 desc

7.
select a.Title, sum(total)
```

106 %

Results Messages

	Name	(No column name)
1	Iron Maiden	1233.54
2	U2	895.59
3	Lost	833.70
4	Led Zeppelin	620.73
5	Metallica	599.94
6	Deep Purple	550.44
7	Pearl Jam	408.87
8	Lenny Kravitz	372.51
9	Van Halen	336.82
10	The Office	328.80
11	Various Artists	318.78

Query executed successfully.

## 7. Total sales \$ by album

```

7.
select a.Title, sum(total)
from invoice i
inner join InvoiceLine il on i.InvoiceId=il.InvoiceId
inner join track t on t.TrackId=il.TrackId
inner join album a on a.AlbumId=t.AlbumId
group by a.Title
order by 2 desc

```

8.

```

select (e.FirstName+' '+e.lastname) [Employee Name], sum(i.total) [Total Sales]
from invoice i
inner join customer c on i.CustomerId=c.CustomerId
inner join Employee e on e.EmployeeId=c.SupportRepId
group by (e.FirstName+' '+e.lastname)
order by 2 desc

```

106 %

Results Messages

	Title	(No column name)
1	Greatest Hits	372.51
2	Lost, Season 2	290.18
3	Heroes, Season 1	238.61
4	Lost, Season 1	223.65
5	Lost, Season 3	211.80
6	Battlestar Galactica, Season 3	202.80
7	Minha Historia	185.13
8	The Office, Season 3	170.93
9	Ao Vivo [IMPORT]	161.74
10	Battlestar Galactica (Classic), Season 1	157.10
11	Unplugged	151.47

Query executed successfully.

## 8. Total sales \$ by salesperson (employee)

```

8.
select (e.FirstName+' '+e.lastname) [Employee Name], sum(i.total) [Total Sales]
from invoice i
inner join customer c on i.CustomerId=c.CustomerId
inner join Employee e on e.EmployeeId=c.SupportRepId
group by (e.FirstName+' '+e.lastname)
order by 2 desc

```

9.

```

select m.[name], sum(total)
from invoice i
inner join customer c on i.CustomerId=c.CustomerId
inner join Employee e on e.EmployeeId=c.SupportRepId
group by m.[name]
order by 2 desc

```

106 %

Results Messages

	Employee Name	Total Sales
1	Jane Peacock	833.04
2	Margaret Park	775.40
3	Steve Johnson	720.16

## 9. Total sales \$ by media type

```
9.
select m.[name],sum(total)
from invoice i
inner join InvoiceLine il on i.InvoiceId=il.InvoiceId
inner join track t on t.TrackId=il.TrackId
inner join MediaType m on m.MediaTypeId=t.MediaTypeId
group by m.[name]
order by 2 desc
```

106 %

Results Messages

	name	(No column name)
1	MPEG audio file	17838.27
2	Protected MPEG-4 video file	1775.90
3	Protected AAC audio file	1160.11
4	AAC audio file	48.58
5	Purchased AAC audio file	25.76

## 10. Total sales \$ by genre

```
10.
select g.[name],sum(total)
from invoice i
inner join InvoiceLine il on i.InvoiceId=il.InvoiceId
inner join track t on t.TrackId=il.TrackId
inner join Genre g on g.GenreId=t.GenreId
group by g.[name]
order by 2 desc
```

106 %

Results Messages

	name	(No column name)
1	Rock	7720.02
2	Latin	3472.55
3	Metal	2093.13
4	Alternative & Punk	1961.66
5	TV Shows	817.71
6	Jazz	746.46
7	Drama	544.61
8	Blues	429.66
9	R&B/Soul	338.62
10	Reggae	332.64
11	Classical	317.04

Query executed successfully.