

ASSIGNMENT 1 (SQL Queries)

SQL QUERIES

1. Total sales

a. Using SalesOrderHeader

- Query:
Select sum(Freight+SubTotal+TaxAmt) as 'Total Sales'
from saleslt.salesorderheader;
- Input Columns: saleslt.salesorderheader
- Output Table: sum(Freight+SubTotal+TaxAmt)
- Total number of rows in resultant: 1

▶ Run ■ Cancel query

```
1 Select sum(Freight+SubTotal+TaxAmt) as 'Total Sales' from saleslt.salesorderheader;
```

Results Messages

🔍 Search to filter items...

TOTAL SALES

956303.5949

b. Using SalesOrderDetail

- Query:
Select sum(LineTotal) as Total from saleslt.salesorderdetail;
- Input Table: saleslt.salesorderdetail
- Output Table: sum(LineTotal)
- Total number of rows in resultant: 1

▶ Run

■ Cancel query

```
1 Select sum(LineTotal) as Total from saleslt.salesorderdetail;
```

Results Messages

🔍 Search to filter items...

TOTAL
708690.153058

2. Total sales by country – ranked/sorted (highest to lowest)

- Query:
Select distinct(countryregion) as Country ,sum(totaldue) as Sales from saleslt.address as a
inner join saleslt.salesorderheader as o on a.addressid=o.billtoaddressid
group by countryregion
order by sum(totaldue) desc;
- Input Table: saleslt.address, saleslt.salesorderheader
- Output Table: countryregion, sum(Totaldue)
- Total number of rows in resultant: 2

▶ Run

■ Cancel query

```
1 Select distinct(countryregion) as Country ,sum(totaldue) as Sales from saleslt.address as a
2 inner join saleslt.salesorderheader as o on a.addressid=o.billtoaddressid
3 group by countryregion
4 order by sum(totaldue) desc;
```

Results Messages

🔍 Search to filter items...

COUNTRY	SALES
United Kingdom	572496.5594
United States	383807.0355

3. Total sales by city & country – ranked/sorted (highest to lowest)

- Query:

Select distinct(city),countryregion as Country ,sum(totaldue) as Sales from saleslt.address as a
inner join saleslt.salesorderheader as o on a.addressid=o.billtoaddressid
group by city,countryregion
order by sum(totaldue) desc;

- Input Table: saleslt.address, saleslt.salesorderheader
- Output Table: city, countryregion, sum(Totaldue)
- Total number of rows in resultant: 29

Screenshot:

▶ Run ■ Cancel query

```
1 Select distinct(city),countryregion as Country ,sum(totaldue) as Sales from saleslt.address as a
2 inner join saleslt.salesorderheader as o on a.addressid=o.billtoaddressid
3 group by city,countryregion
4 order by sum(totaldue) desc;
```

Results	Messages
City	Country
Camarillo	United States 2361.6403
Oxon	United Kingdom 1170.5376
Auburn	United States 972.7850
Sandy	United States 665.4251
High Wycombe	United Kingdom 608.1766
Culver City	United States 272.6468
Alhambra	United States 117.7276
Wokingham	United Kingdom 87.0851
Abingdon	United Kingdom 45.1995
Maidenhead	United Kingdom 43.0437

✔ Query succeeded | 0s

4. Total sales by customer (person) – ranked/sorted (highest to lowest)

- Query:

```
Select concat(firstname,lastname),sum(totaldue) as Sales from saleslt.customer as c
inner join saleslt.salesorderheader as o on c.customerid=o.customerid
group by lastname,firstname
order by sum(totaldue) desc;
```

- Input Table: saleslt.customer, saleslt.salesorderheader
- Output Table:firstname,lastname, sum(totaldue)
- Total number of rows in resultant: 32

▶ Run

■ Cancel query

```
1 Select concat(firstname,lastname),sum(totaldue) as Sales from saleslt.customer as c
2 inner join saleslt.salesorderheader as o on c.customerid=o.customerid
3 group by lastname,firstname
4 order by sum(totaldue) desc;
```

Results

Messages

🔍 Search to filter items...

	SALES
TerryEminhizer	119960.8240
KrishnaSunkammurali	108597.9536
ChristopherBeck	98138.2131
KevinLiu	92663.5609
JonGrande	86222.8072
JeffreyKurtz	81834.9826
RebeccaLaszlo	70698.9922
AnthonyChor	63686.2708
FrankCampbell	45992.3665

✔ Query succeeded | 0s

5. Total sales by customer (company) – ranked/sorted (highest to lowest)

- Query:

```
Select companyname as 'Company Name',sum(totaldue) as Sales from saleslt.customer as c
inner join saleslt.salesorderheader as o on c.customerid=o.customerid
group by companyname
order by sum(totaldue) desc;
```

- Input Columns: saleslt.salesorderheader, saleslt.customer
- Output Columns: companyname, sum(totaldue)
- Total number of rows in resultant: 32

Run	Cancel query
<pre>1 Select companyname as 'Company Name',sum(totaldue) as Sales from saleslt.customer as c 2 inner join saleslt.salesorderheader as o on c.customerid=o.customerid 3 group by companyname 4 order by sum(totaldue) desc;</pre>	
Results Messages	
Search to filter items...	
COMPANY NAME	SALES
Action Bicycle Specialists	119960.8240
Metropolitan Bicycle Supply	108597.9536
Bulk Discount Store	98138.2131
Eastside Department Store	92663.5609
Riding Cycles	86222.8072
Many Bikes Store	81834.9826
Instruments and Parts Company	70698.9922
Extreme Riding Supplies	63686.2708
Trailblazing Sports	45992.3665
Query succeeded 0s	

6. Sales by product name – ranked/sorted (highest to lowest)

- Query:

Select p.name as 'Product Name' ,sum(linetotal) as Sales from saleslt.product as p

inner join saleslt.salesorderdetail as od on p.productid=od.productid

group by p.name

order by sum(linetotal) desc;

- Input Columns: saleslt. salesorderdetail, saleslt. product
- Output Columns: name, sum(linetotal)
- Total number of rows in resultant: 142

```
Run | Cancel query
1 Select pc.name as 'Product Catalog Name',sum(linetotal) as Sales from saleslt.productcategory as pc
2 inner join saleslt.product as p on p.productcategoryid=pc.productcategoryid
3 inner join saleslt.salesorderdetail as od on p.productid=od.productid
4 group by pc.name
5 order by sum(linetotal) desc;
```

Results Messages	
Search to filter items...	
PRODUCT CATALOG NAME	SALES
Touring Bikes	220655.375796
Road Bikes	183130.296808
Mountain Bikes	170825.886000
Mountain Frames	54949.602000
Road Frames	24346.584000
Touring Frames	19066.260000
Jerseys	7017.880276
Vests	4309.903750
Cranksets	3968.868000

Query succeeded | 0s

7. Sales by product category – ranked/sorted (highest to lowest)

Query:

```
Select pc.name as 'Product Catalog Name',sum(linetotal) as Sales
from saleslt.productcategory as pc
inner join saleslt.product as p on p.productcategoryid=pc.productcategoryid
inner join saleslt.salesorderdetail as od on p.productid=od.productid
group by pc.name
order by sum(linetotal) desc;
```

- Input Columns: saleslt. salesorderdetail, saleslt. productcatalog
- Output Columns: name, sum(linetotal)
- Total number of rows in resultant: 26

▶ Run

■ Cancel query

```
1 Select p.name as 'Product Name',sum(linetotal) as Sales from saleslt.product as p
2 inner join saleslt.salesorderdetail as od on p.productid=od.productid
3 group by p.name
4 order by sum(linetotal) desc;
5
```

Results

Messages

🔍 Search to filter items...

PRODUCT NAME	SALES
Touring-1000 Blue, 60	37191.492000
Mountain-200 Black, 42	37178.838000
Road-350-W Yellow, 48	36486.235500
Mountain-200 Black, 38	35801.844000
Touring-1000 Yellow, 60	23413.474656
Touring-1000 Blue, 50	22887.072000
Mountain-200 Silver, 42	20879.910000
Road-350-W Yellow, 40	20411.880000
Mountain-200 Black, 46	19277.916000

✔ Query succeeded | 0s