

6. What is the relationship between the size of the stores, number of employees and revenue?

I need 3 information, revenue, number of employees and size of stores.

I use the TotalDue in SalesOrderHeader table as the revenue.

To find Store Name, I join the SalesOrderHeader table with Sales.Store using SalesPerson ID. I also have the Store's BusinessEntityID in Sales.Store.

To find Store size and number of employees, I use the view Sales.vStoreWithDemographics. I join the Sales.Store with the view using BusinessEntityID.

```
SELECT
    s.Name,
    s.BusinessEntityID,
    SUM(o.TotalDue) as Revenue,
    d.SquareFeet,
    d.NumberEmployees
FROM Sales.SalesOrderHeader AS o
INNER JOIN Sales.Store AS s
    ON o.SalesPersonID = s.SalesPersonID
INNER JOIN Sales.vStoreWithDemographics AS d
    ON s.BusinessEntityID = d.BusinessEntityID
GROUP BY o.SalesPersonID, s.BusinessEntityID, s.Name, d.SquareFeet, d.NumberEmployees
ORDER BY Revenue;
```

And this is the result of the query:

Name	BusinessEntityID	Revenue	SquareFeet	NumberEmployees
Nationwide Supply	300	1606441.4471	21000	17
Twin Cycles	350	1606441.4471	21000	11
Quality Bike Sales	358	1606441.4471	74000	67
Seaside Bike Works	384	1606441.4471	19000	10
Nearest Bike Store	408	1606441.4471	8000	4
Fast Bike Works	410	1606441.4471	25000	28
Crosstown Parts Shop	426	1606441.4471	23000	19
Second Bike Shop	436	1606441.4471	21000	19
Uncompromising Quality Co	456	1606441.4471	39000	46
Helmets and Cycles	550	1606441.4471	21000	14
Unusual Bicycle Company	564	1606441.4471	78000	99

5 columns, 701 rows.