**SQL Code**

### Q1: What is the relationship between Country and Revenue?

SELECT a.CountryRegionName as Country, COUNT(d.Name) as NumberofStores, SUM(d.AnnualRevenue) as Annual\_Revenue, SUM(d.NumberEmployees) as TotalEmployees

FROM Sales.vStoreWithDemographics as d

LEFT JOIN Sales.vStoreWithAddresses as a

ON d.BusinessEntityID=a.BusinessEntityID

GROUP BY a.CountryRegionName;

### Q2: What are the regional sales in the best performing country?

SELECT \* FROM sales.SalesTerritory;

SELECT CountryRegionCode, SUM(SalesYTD) as SalesYTDate FROM sales.SalesTerritory GROUP BY CountryRegionCode ORDER BY SalesYTDate DESC;

SELECT CountryRegionCode, SUM(SalesLastYear) as SalesLY FROM sales.SalesTerritory GROUP BY CountryRegionCode ORDER BY SalesLY DESC;

SELECT Name, CountryRegionCode, SalesYTD, SalesLastYear FROM sales.SalesTerritory WHERE CountryRegionCode = 'US';

### Q3: What is the relationship between store trading duration and revenue?

SELECT s.YearOpened,AVG(s.AnnualRevenue) AS avg\_rev

FROM Sales.vStoreWithDemographics AS s

GROUP BY s.YearOpened;

### Q4: What is the relationship between the size of the stores, number of employees and revenue?

SELECT S.Name, S.SquareFeet AS Size, S.NumberEmployees, S.AnnualRevenue

FROM Sales.vStoreWithDemographics as S

ORDER BY Size;

### Q5: What is the relationship between annual leave taken and bonus?

SELECT E.OrganizationLevel, E.JobTitle, E.VacationHours, S.Bonus

FROM HumanResources.Employee AS E

INNER JOIN Sales.SalesPerson AS S

ON E.BusinessEntityID = S.BusinessEntityID;

Q6: What is the relationship between sick leave and Job Title (PersonType)?

SELECT OrganizationLevel, AVG(SickLeaveHours) as AVGSLHours FROM HumanResources.Employee GROUP BY OrganizationLevel;