# SQL Project

## Taher Khan

## 1.1

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| USE Northwind;  SELECT CustomerID, CompanyName, Address, City, Region, PostalCode, Country  FROM Customers  WHERE City = 'London' OR City = 'Paris'; |

## 1.2

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| --- |
| SELECT \* FROM Products WHERE QuantityPerUnit LIKE '%bottles%'; |

## 1.3

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| --- |
| USE Northwind;  SELECT s.CompanyName AS Supplier\_Name, s.Country AS Supplier\_Country, ProductName AS Bottled\_Product\_name, QuantityPerUnit  FROM Products p  INNER JOIN Suppliers s ON s.SupplierID = p.SupplierID  WHERE QuantityPerUnit LIKE '%bottles%'; |

## 1.4

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| SELECT c.CategoryName, Count(\*) AS ProductNumber  FROM Products p  -- join tables  INNER JOIN Categories c  -- link keys together  ON c.CategoryID = p.CategoryID  -- group by cat name  GROUP BY c.CategoryName  ORDER BY ProductNumber DESC; |

## 1.5

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| SELECT TitleOfCourtesy + ' ' + FirstName + ' ' + LastName + ',' + ' ' + City  FROM Employees WHERE Country = 'UK'; |

## 1.6

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| --- |
| USE Northwind;  SELECT r.RegionDescription AS Region, (SUM(od.UnitPrice \* od.Quantity)) AS total\_sales  FROM Region AS r  -- Join Tables  INNER JOIN Territories t ON r.RegionID = t.RegionID  INNER JOIN EmployeeTerritories et ON t.territoryID = et.TerritoryID  INNER JOIN Orders o ON et.employeeID = o.EmployeeID  INNER JOIN [Order Details] od ON o.OrderID = od.OrderID  GROUP BY r.RegionDescription  HAVING SUM(od.UnitPrice \* od.Quantity) > 1000000 |

## 1.7

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| --- |
| SELECT COUNT(Freight) AS Freight\_Over\_100 FROM Orders  WHERE Freight > 100.00 AND (ShipCountry = 'UK' OR ShipCountry ='USA'); |

## 1.8

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| SELECT Max(discount) FROM [Order Details];  Select OrderID FROM [Order Details] WHERE Discount = 0.25; |

## 2.1

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| --- |
| CREATE TABLE Spartans\_Table (    spartan\_id INT PRIMARY KEY,  Title VARCHAR(5),  First\_Name VARCHAR(10),  Last\_Name VARCHAR(10),  University VARCHAR(20),  Course VARCHAR(20),  Grade VARCHAR(10),  Sparta\_Stream VARCHAR(10)    ); |

## 2.2

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| --- |
| INSERT INTO Spartans\_Table ()  VALUES  ('Mr', 'James', 'Bachen', 'Bournemeth', 'music', 'grade', 'eng-29');  ('Mr', 'Philip', 'Faboya', 'Surrey', 'Engineering', '2.1', 'eng-29'),  ('Mr', 'Arthur', 'Hussey', 'Bournemeth', 'music', 'grade', 'eng-29'),  ('Mr', 'Maroua', 'Akkari', 'Queen Mary', 'BioMed', 'grade', 'eng-29'),  ('Mr', 'Qamar', 'Aden', 'Portsmouth', 'Engineering', 'grade', 'eng-29'),  ('Mr', 'Seb', 'Woerkem', 'Kent', 'ClassicalStudies', 'grade', 'eng-29'),  ('Mr', 'Aaron', 'Leslie', 'QM', 'Maths', 'grade', 'eng-29'),  ('Mr', 'Rob', 'Teal', 'UWL', 'music', 'grade', 'eng-29'),  ('Mr', 'Ben', 'OWUSU', 'Brunel', 'Business', 'grade', 'eng-29'),  ('Mr', 'Christopher', 'Baker', 'UWL', 'Marketing', 'grade', 'eng-29'); |

## 3.1

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| --- |
| SELECT e.FirstName + ' ' + e.LastName AS Employee, emp2.Firstname + ' ' + emp2.LastName AS Manager  FROM Employees AS e  LEFT JOIN Employees AS emp2 ON e.ReportsTo = emp2.EmployeeID |

## 3.2

|  |
| --- |
| SELECT s.CompanyName AS 'Company Name', SUM(od.UnitPrice \* od.Quantity \* (1 - od.Discount)) AS 'Supplier Total'  FROM [Order Details] AS od  INNER JOIN Products AS p  ON od.ProductID = p.ProductID  INNER JOIN Suppliers AS s  ON p.SupplierID = s.SupplierID  GROUP BY s.CompanyName  HAVING SUM(od.UnitPrice \* od.Quantity \* (1 - od.Discount)) > 10000  ORDER BY [Supplier Total] DESC; |

## 3.3

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## 3.4

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