|  |
| --- |
| use northwind; |
|  |  |
|  | /\*SELECT\*/ |
|  |  |
|  | -- select all employees |
|  |  |
|  |  |
|  | -- select all employee names; use alias for both tables and columns |
|  |  |
|  |  |
|  | -- select all job titles; get them uniquely |
|  |  |
|  |  |
|  | -- select all employees that work as coordinators, 'Sales Coordinator' |
|  |  |
|  |  |
|  | -- select all employees that do not work as coordinators |
|  |  |
|  |  |
|  | -- select all order details that have quantity bigger than 50; select just quantity and distinct it |
|  |  |
|  |  |
|  | -- select employees with notes / without notes |
|  |  |
|  |  |
|  | -- select all unique categories from the products |
|  |  |
|  |  |
|  | -- select all sauces from the products |
|  |  |
|  |  |
|  | -- select all beverages from products that have minimum reorder quantity |
|  |  |
|  |  |
|  | -- select all beverages from products that have minimum reorder quantity or target level above 60 |
|  |  |
|  |  |
|  | -- select products with price between 20 and 100 |
|  |  |
|  |  |
|  | -- select products with product name between names 'Northwind Traders Clam Chowder' and 'Northwind Traders Marmalade'; |
|  |  |
|  |  |
|  | -- select employees that are either from Seattle or Redmond |
|  |  |
|  |  |
|  | -- select all products that were purchased |
|  |  |
|  |  |
|  | -- add several order by-s |
|  |  |
|  |  |
|  | /\*GROUP BY\*/ |
|  |  |
|  | -- aggregate functions - count the customers. Add where |
|  |  |
|  |  |
|  | -- find the cheapest and most expensive products. What is the average price of a product? |
|  |  |
|  |  |
|  | -- find how many products are purchased at all |
|  |  |
|  |  |
|  |  |
|  | -- find also the product names |
|  |  |
|  |  |
|  | -- how many customers are from Seattle? |
|  |  |
|  |  |
|  | -- what are the cities with more then 2 customers? |
|  |  |
|  |  |
|  | /\*JOIN\*/ |
|  |  |
|  | -- inner join customers and orders - c.id as customer\_id, c.first\_name, c.company, c.city, o.id as order\_id, o.order\_date, o.shipped\_date |
|  |  |
|  |  |
|  | -- left join customers and orders |
|  |  |
|  |  |
|  | -- right join customers and orders |
|  |  |
|  |  |
|  | -- select all products that were purchased with name, quantity, cost and date - show join |
|  |  |
|  |  |
|  | -- find out which employees have what priviledges; test left and right joins |
|  |  |
|  |  |
|  | -- find customers that are from USA and are not from USA |
|  |  |
|  | -- list the employees that have registered more than 10 orders - join + aggregation |
|  |  |
|  |  |
|  | /\*INSERT, UPDATE, DELETE\*/ |
|  |  |
|  | -- add new privilege - select, insert all, by columns. 'Send Newsletter', 'Order Approvals' |
|  |  |
|  |  |
|  | -- insert new customers from suppliers - first\_name, last\_name, city, country\_region |
|  |  |
|  |  |
|  | -- update new customers' company (look up the id) |
|  |  |
|  |  |
|  | -- update customers with id between 30 and 36 with note that tey're contrasctors. |
|  |  |
|  |  |
|  | -- remove customers without city |