Trabalho De LINQ

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Matéria: Sistemas De Informação

Período: Noturno

Semestre: 4®

**1 - Selecionar Todos Os Pedidos:**

**select \* from orders;**

**from t in db.Orders**

**select new**

**{**

**t.OrderID,**

**t.CustomerID,**

**t.EmployeeID,**

**t.OrderDate,**

**t.RequiredDate,**

**t.ShippedDate,**

**t.ShipVia,**

**t.Freight,**

**t.ShipName,**

**t.ShipAddress,**

**t.ShipCity,**

**t.ShipRegion,**

**t.ShipPostalCode,**

**t.ShipCountry**

**}**

**2 - Selecionar o Nome De Todos Os Clientes:**

**SELECT CompanyName FROM customers;**

**from t in db.Customers**

**select new**

**{**

**t.CompanyName**

**}**

**3 - Selecionar o Nome Dos Produtos e o Nome Da Respectiva Categoria:**

**SELECT p.ProductName, c.CategoryName FROM products p INNER JOIN categories c ON (c.CategoryID = p.categoryID);**

**from p in db.Products**

**select new**

**{**

**p.ProductName,**

**p.Categories.CategoryName**

**};**

**4 - Selecionar Todos Os Clientes Que Começam Com a Letra ‘A’:**

**select CompanyName from customers where CompanyName like 'a%';**

**from Customers in db.Customers**

**where**

**Customers.CompanyName.StartsWith("a")**

**select new**

**{**

**Customers.CompanyName**

**};**

**5 - Selecionar Os Nomes Sem Repetições Dos Empregados:**

**SELECT DISTINCT (a.FirstName) FROM Employees AS a;**

**(from a in db.Employees**

**select new {**

**a.FirstName**

**}).Distinct()**

**6 - Selecione o Nome Dos Fornecedores Que Possuem a Coluna Homepage Nula**

**SELECT CompanyName, HomePage FROM suppliers WHERE HomePage is NULL;**

**from Suppliers in db.Suppliers**

**where**

**Suppliers.HomePage == null**

**select new**

**{**

**Suppliers.CompanyName,**

**Suppliers.HomePage**

**}**

**7 - Selecione o Nome Dos Clientes Que Realizaram Pedidos Entre As Datas De 05/07/1996 e 20/01/1998:**

**select c.CompanyName,o.RequiredDate**

**from customers c inner join orders o**

**on (c.customerID = o.customerID)**

**where RequiredDate**

**BETWEEN CONVERT(date,'1996/07/05') AND CONVERT(date,'1998/01/20');**

**from o in db.Orders**

**where**

**o.RequiredDate >= (DateTime)"1996/07/05" && o.RequiredDate <= (DateTime)"1998/01/20"**

**select new**

**{**

**o.Customers.CompanyName,**

**o.RequiredDate**

**}**

**8 - Selecione Todos Os Empregados Ordenados Pelo Sobrenome:**

**select \*from employees order by lastName;**

**from Employees in db.Employees**

**orderby**

**Employees.LastName**

**select new**

**{**

**EmployeeID = Employees.EmployeeID,**

**LastName = Employees.LastName,**

**FirstName = Employees.FirstName,**

**Title = Employees.Title,**

**TitleOfCourtesy = Employees.TitleOfCourtesy,**

**BirthDate = Employees.BirthDate,**

**HireDate = Employees.HireDate,**

**Address = Employees.Address,**

**City = Employees.City,**

**Region = Employees.Region,**

**PostalCode = Employees.PostalCode,**

**Country = Employees.Country,**

**HomePhone = Employees.HomePhone,**

**Extension = Employees.Extension,**

**Photo = Employees.Photo,**

**Notes = Employees.Notes,**

**ReportsTo = Employees.ReportsTo,**

**PhotoPath = Employees.PhotoPath**

**}**

**9 - Realize Uma Contagem De Quantos Produtos o Vendedor De Identificador 4 Realizou:**

**SELECT COUNT(\*) FROM orders where employeeID ='4';**

**from Orders in**

**(from Orders in db.Orders**

**where**

**Orders.EmployeeID == 4**

**select new {**

**Dummy = "x"**

**})**

**group Orders by new { Orders.Dummy } into g**

**select new {**

**Column1 = g.Count()**

**}**

**10 - Selecione o Nome Do Empregado e a Quantidade De Produtos Vendidos:**

**SELECT e.FirstName,count(o.orderID) FROM employees e INNER JOIN orders o ON (e.employeeID = o.employeeID) GROUP BY FirstName;**

**from o in banco.Orders**

**group new { o.Employees, o } by new**

**{**

**o.Employees.FirstName**

**} into g**

**select new**

**{**

**g.Key.FirstName,**

**Quantidade = g.Count(p => p.o.OrderID != null)**

**}**

**11 - Selecione o Nome Do Cliente e o Nome Do Empregado Em Um Respectivo Pedido:**

**SELECT o.OrderID,c.CompanyName,e.FirstName FROM orders o inner join**

**customers c on (o.CustomerID = c.CustomerID) inner join employees e on**

**(o.EmployeeID = e.EmployeeID) where o.OrderID='10249';**

**from o in db.Orders**

**where**

**(String)o.OrderID == 10249**

**select new {**

**o.OrderID,**

**o.Customers.CompanyName,**

**o.Employees.FirstName**

**}**

**12 - Selecione a Soma Do Preço Unitário Dos Produtos Agrupados Pela Categoria:**

**Select c.CategoryName, sum(p.UnitPrice) from Categories c inner join products p**

**on (c.CategoryID=p.CategoryID) group by c.CategoryName;**

**from p in db.Products**

**group new {p.Categories, p} by new {**

**p.Categories.CategoryName**

**} into g**

**select new {**

**g.Key.CategoryName,**

**Column1 = (decimal?)g.Sum(p => p.p.UnitPrice)**

**}**

**13 - Realize a Soma Dos Descontos De Todos Os Pedidos:**

**SELECT Sum(o.Discount) FROM [order details] o;**

**from o in**

**(from o in db.Order\_Details**

**select new {**

**o.Discount,**

**Dummy = "x"**

**})**

**group o by new { o.Dummy } into g**

**select new {**

**Column1 = g.Sum(p => p.Discount)**

**}**

**14 - Realize a Contagem De Todos Os Pedidos Realizados Agrupados Pelo Cliente:**

**SELECT c.CompanyName,COUNT(\*)**

**FROM orders o inner join customers c on**

**(o.CustomerID= c.CustomerID)**

**group by(c.CompanyName);**

**from o in db.Orders**

**group o by new {**

**o.CustomerID**

**} into g**

**select new {**

**g.Key.CompanyName,**

**Column1 = g.Count()**

**}**

**15 - Realize a Soma De Todos Os Pedidos Realizados Agrupados Pelo Cliente**

**SELECT c.CompanyName,SUM(o.OrderID)**

**FROM orders o inner join customers c on**

**(o.CustomerID= c.CustomerID)**

**group by(c.CompanyName);**

**from o in db.Orders**

**group new {o.Customers, o} by new {**

**o.Customers.CompanyName**

**} into g**

**select new {**

**g.Key.CompanyName,**

**Column1 = (int?)g.Sum(p => p.o.OrderID)**