

Naudojama **adv** duomenų bazė.

1. Sureitinguoti pardavimus kiekvienoje produktų kategorijoje pagal metus. Naudoti lenteles sales_salesorderheader, sales_salesorderdetail, production_product, production_productSubCategory, production_productCategory.

Rezultato fragmentas:

name	Total_amount	Year	ranked
Bikes	507271500.5655	2013	1
Components	452330979.9009	2013	2
Bikes	371976564.4720	2012	3
Components	286080535.7375	2012	4
Clothing	247503403.1930	2013	5
Bikes	216514295.6199	2014	6
Clothing	183513451.3546	2012	7

2. Išvesti Top 3 kiekvienos produktų kategorijos produktus pagal pardavimus. Naudoti lenteles sales_salesorderheader, sales_salesorderdetail, production_product, production_productsubcategory, production_productcategory.

Rezultato fragmentas:

ProductID	Produktas	Kategorija	total	reitingas
711	Sport-100 Helmet, Blue	Accessories	46254770.6832	1
708	Sport-100 Helmet, Black	Accessories	44958480.4008	2
707	Sport-100 Helmet, Red	Accessories	43270515.9601	3
793	Road-250 Black, 44	Bikes	26063831.0385	1
797	Road-550-W Yellow, 38	Bikes	25731582.6702	2
801	Road-550-W Yellow, 48	Bikes	25598382.3079	3
712	AWC Logo Cap	Clothing	49785073.9123	1
715	Long-Sleeve Logo Jersey, L	Clothing	47707918.8030	2

3. Išvesti kiekvieno produkto pirmo ir paskutinio pirkimų datas. Naudoti lenteles sales_salesorderheader, sales_salesorderdetail, production_product.

Rezultato fragmentas:

ProductID	first_sale	last_sale
707	2011-06-12	2014-07-12
708	2011-06-12	2014-07-12
709	2011-06-12	2012-05-12
710	2011-06-12	2012-05-12
711	2011-06-12	2014-07-12

4. Sunumeruoti kiekvieną darbuotoją pagal įdarbinimo datą. Naudoti lentelę HumanResources_Employee.

Rezultato fragmentas:

BusinessEntityID	JobTitle	HireDate	RowNum
28	Production Technician - WC60	2006-06-30	1
17	Marketing Assistant	2007-01-26	2
3	Engineering Manager	2007-11-11	3
4	Senior Tool Designer	2007-12-05	4
12	Tool Designer	2007-12-11	5

5. Sureitinguoti kiekvienos pareigybės darbuotojus pagal atlyginimą dviem būdais: vienu atveju taikant RANK(), o kitu – DENSE_RANK() funkcijas. Kokį skirtumą pastebite? Naudoti lentelės HumanResources_EmployeePayHistory, humanresources_employee.

Vieno iš variantų rezultato fragmentas:

JobTitle	BusinessEntityID	Rate	RankBySalary
Accountant	248	26.4423	1
Accountant	245	26.4423	1
Accounts Manager	241	34.7356	1
Accounts Payable Specialist	247	19.0000	1
Accounts Payable Specialist	246	19.0000	1
Accounts Receivable Specialist	244	19.0000	1
Accounts Receivable Specialist	243	19.0000	1
Accounts Receivable Specialist	242	19.0000	1
Application Specialist	267	27.4038	1
Application Specialist	268	27.4038	1
Application Specialist	269	27.4038	1

6. Padalinti darbuotojus į 4 kvartilius pagal jų atlyginimą. Naudoti lentelę HumanResources_EmployeePayHistory.

Rezultato fragmentas:

BusinessEntityID	Rate	SalaryQuartile
1	125.5000	1
25	84.1346	1
273	72.1154	1
2	63.4615	1
234	60.0962	1
7	50.4808	1
263	50.4808	1

7. Palyginti kiekvieno darbuotojo dabartinį atlyginimą su kitu didesniu atlyginimu. Naudoti lentelę HumanResources_EmployeePayHistory.

Rezultato fragmentas:

BusinessEntityID	CurrentRate	NextHigherRate
1	125.5000	84.1346
25	84.1346	72.1154
273	72.1154	63.4615
2	63.4615	60.0962
234	60.0962	50.4808
7	50.4808	50.4808
263	50.4808	48.5577
234	48.5577	48.1010

8. Rasti didžiausią kiekvienos pareigybės atlyginimą. Naudoti lenteles HumanResources_EmployeePayHistory, humanresources_employee.

Rezultato fragmentas:

BusinessEntityID	JobTitle	Rate	MaxSalaryByJobTitle
248	Accountant	26.4423	26.4423
245	Accountant	26.4423	26.4423
241	Accounts Manager	34.7356	34.7356
247	Accounts Payable Specialist	19.0000	19.0000
246	Accounts Payable Specialist	19.0000	19.0000
244	Accounts Receivable Specialist	19.0000	19.0000
243	Accounts Receivable Specialist	19.0000	19.0000
242	Accounts Receivable Specialist	19.0000	19.0000
267	Application Specialist	27.4038	27.4038
268	Application Specialist	27.4038	27.4038

9. Rasti pirmą ir paskutinę įdarbinimo datas kiekviename departamente pagal pareigybes. Naudoti lenteles HumanResources_EmployeeDepartmentHistory, humanresources_employee.

Rezultato fragmentas:

DepartmentID	BusinessEntityID	JobTitle	FirstHireDate	LastHireDate
1	3	Engineering Manager	2007-11-11	2011-01-18
1	4	Senior Tool Designer	2007-11-11	2011-01-18
1	5	Design Engineer	2007-11-11	2011-01-18
1	6	Design Engineer	2007-11-11	2011-01-18
1	2	Vice President of Engineering	2007-11-11	2011-01-18