--0) Forme de scriere SELECT cu sintaxa generala (indiferent de B.D. curenta)

-- Nu mai este nevoie sa se foloseasca USE bd

SELECT CategoryID , CategoryName , Description FROM .Northwind.dbo.categories

--Rezultatul este:

***CategoryID*** ***CategoryName*** ***Description***

1 Beverages Soft drinks, coffees, teas, beers, and ales

2 Condiments Sweet and savory sauces, relishes, spreads, and seasonings

3 Confections Desserts, candies, and sweet breads

4 Dairy Products Cheeses

5 Grains/Cereals Breads, crackers, pasta, and cereal

6 Meat/Poultry Prepared meats

7 Produce Dried fruit and bean curd

8 Seafood Seaweed and fish

--Rezultatul de mai sus se obtine si cu:

SELECT CategoryID , CategoryName , Description FROM Northwind.dbo.categories

--In schimb:

* SELECT \* FROM dbo.categories --eroare, daca BD curent selectata nu e Northwind
* /\*
* Eroarea primita este:
* Msg 208, Level 16, State 1, Line 1
* Invalid object name 'dbo.categories'.
* \*/

--Exemple de instructiuni generale de interogare.

-- Se presupune ca baza de date implicita este angajati:

-- USE angajati

**-- Ex. 1:**

/\*

Sa se afiseze continutul tabelelor emp, dept si salgrade, apoi sa se afiseze nr. de inregistrari ale fiecaruia.

\*/

--1.1 Afisare continut tabele:

SELECT \* FROM emp

--Rezultatul este(se afiseaza cp-rile principale):

***empno*** ***ename*** ***job*** ***mgr*** ***sal*** … ***deptno*** ***grade***

7369 SMITH CLERK 7902 800.00 20 1

7499 ALLEN SALESMAN 7698 1600.00 30 3

7521 WARD SALESMAN 7698 1250.00 30 2

7566 JONES MANAGER 7839 2975.00 20 4

7654 MARTIN SALESMAN 7698 1250.00 30 2

7698 BLAKE MANAGER 7839 2850.00 30 4

7782 CLARK MANAGER 7839 2450.00 10 4

7788 SCOTT ANALYST 7566 3000.00 20 4

7839 KING PRESIDENT NULL 5000.00 10 5

7844 TURNER SALESMAN 7698 1500.00 30 3

7876 ADAMS CLERK 7788 1100.00 20 1

7900 JAMES CLERK 7698 950.00 30 1

7902 FORD ANALYST 7566 3000.00 20 4

7934 MILLER CLERK 7782 1300.00 10 2

(14 row(s) affected)

SELECT \* FROM dept

--Rezultatul este:

***deptno*** ***dname*** ***loc***

10 ACCOUNTING NEW YORK

20 RESEARCH DALLAS

30 SALES CHICAGO

40 OPERATIONS BOSTON

50 PROGRAMMING Washington

SELECT \* FROM salgrade

--Rezultatul este:

***grade*** ***losal*** ***hisal***

1 700 1200

2 1201 1400

3 1401 2000

4 2001 3000

5 3001 9999

--1.2 Afisare nr. de inregistrari tabele:

select [Nume tabela]='Tabela emp:', count(\*) [Nr inreg.] from emp

--Cu rezultatul:

***Nume tabela*** ***Nr inreg.***

Tabela emp: 14

--sau

select 'Tabela emp:' [Nume tabela], count(\*) [Nr inreg.] from emp

--Cu acelasi rezultat:

***Nume tabela*** ***Nr inreg.***

Tabela emp: 14

--Nr. de inregistrari pentru celelalte tabele:

select [Nume tabela]='Tabela dept:', count(\*) [Nr inreg.] from dept

--Cu rezultatul:

***Nume tabela*** ***Nr inreg.***

Tabela dept: 5

--si

select [Nume tabela]='Tabela salgrade:', count(\*) [Nr inreg.] from salgrade

--Cu rezultatul:

***Nume tabela*** ***Nr inreg.***

Tabela salgrade: 5

**-- Ex. 2:**

/\*

Sa se afiseze codul si numele angajatilor care au job-ul ‘clerk’ sau ‘analist’

\*/

SELECT empno, ename,job FROM emp WHERE job='clerk' OR job='analyst'ORDER BY job

--sau

SELECT empno, ename,job FROM emp WHERE job IN('clerk', 'analyst') ORDER BY job

--Cu rezultatul:

***empno*** ***ename***  ***job***

7788 SCOTT ANALYST

7902 FORD ANALYST

7934 MILLER CLERK

7876 ADAMS CLERK

7900 JAMES CLERK

7369 SMITH CLERK

**-- Ex. 3:**

/\*

Sa se afiseze codul , numele si job-ul angajatilor din departamentul 30, precum

si nr. de angajati din acest departament.

\*/

SELECT empno, ename,job FROM emp WHERE deptno=30

--Rezultatul este:

***empno*** ***ename*** ***job***

7499 ALLEN SALESMAN

7521 WARD SALESMAN

7654 MARTIN SALESMAN

7698 BLAKE MANAGER

7844 TURNER SALESMAN

7900 JAMES CLERK

--Afisare nr. de angajati:

select 'In departamentul '+str(deptno,3)+' sunt '+str(count(\*),2)+' angajati!' from emp

where deptno =30

group by deptno

--Cu rezultatul:

In departamentul 30 sunt 6 angajati!

**-- Ex. 4:**

/\*

Sa se afiseze numele, departamentul si salariul angajatilor

al caror nume incepe cu litera a sau A.

\*/

SELECT ename,deptno,sal FROM emp WHERE ename LIKE 'a%'

--Cu rezultatul:

***ename*** ***deptno*** ***sal***

ALLEN 30 1600.00

ADAMS 20 1100.00

**-- Ex. 5:**

/\*

Sa se afiseze numele, departamentul si salariul angajatilor

al caror salariu este mai mare de 1500 si care au job-ul manager.

\*/

SELECT ename,deptno,job,sal FROM emp WHERE sal > 1500 AND job = 'manager'

--Cu rezultatul:

***ename deptno*** ***job*** ***sal***

JONES 20 MANAGER 2975.00

BLAKE 30 MANAGER 2850.00

CLARK 10 MANAGER 2450.00

**-- Ex. 6:**

/\*

Sa se afiseze datele despre angajatii

al caror salariu este in intervalul [500,1200] sau in intervalul (1600,2500].

\*/

SELECT \* FROM emp WHERE sal BETWEEN 500 AND 1200

OR (sal >1600 AND sal <=2500)

--Rezultatul este:

***empno ename*** ***job*** ***mgr*** … ***sal*** ***comm*** ***deptno*** ***grade***

7369 SMITH CLERK 7902 800 NULL 20 1

7782 CLARK MANAGER 7839 2450 NULL 10 4

7876 ADAMS CLERK 7788 1100 NULL 20 1

7900 JAMES CLERK 7698 950 NULL 30 1

**-- Ex. 7:**

/\*

Sa se afiseze datele despre angajatii care au job-ul ‘analyst’ sau ‘clerk’,

Angajati dupa 1981 si care lucreaza in departamentul 20.

\*/

SELECT \* FROM emp WHERE job IN ('clerk', 'analyst') AND

hiredate >= '1.01.1981' AND deptno = 20

ORDER BY job

--Rezultatul este:

***empno*** ***ename*** ***job*** ***mgr*** ***hiredate***  ***sal*** ***comm***  ***deptno grade***

7788 SCOTT ANALYST 7566 1982-12-09 00:00:00.000 3000 NULL 20 4

7902 FORD ANALYST 7566 1981-12-03 00:00:00.000 3000 NULL 20 4

7876 ADAMS CLERK 7788 1983-01-12 00:00:00.000 1100 NULL 20 1

**-- Ex. 8:**

/\*

Sa se afiseze datele despre angajatii care au ca sef persoana

cu codul 7698.

\*/

SELECT \* FROM emp WHERE mgr=7698

--Rezultatul este:

***empno*** ***ename*** ***job*** ***mgr*** ***hiredate*** ***sal*** ***comm*** ***deptno*** ***grade***

7499 ALLEN SALESMAN 7698 1981-02-20 1600 300 30 3

7521 WARD SALESMAN 7698 1981-02-22 1250 500 30 2

7654 MARTIN SALESMAN 7698 1981-09-28 1250 1400 30 2

7844 TURNER SALESMAN 7698 1981-09-08 1500 0.00 30 3

7900 JAMES CLERK 7698 1981-12-03 950.00 NULL 30 1

--8.1 Afisare subordonati pt. managerul cu codul 7698 (cu autoreferire)

SELECT a.ename [Nume angajat], s.ename [Nume manager],s.empno [Cod sef]

FROM emp a,emp s

WHERE a.mgr = 7698 AND a.mgr = s.empno

--Rezultatul este:

***Nume angajat*** ***Nume manager*** ***Cod sef***

ALLEN BLAKE 7698

WARD BLAKE 7698

MARTIN BLAKE 7698

TURNER BLAKE 7698

JAMES BLAKE 7698

--8.2 Ce se intampla daca scriem instructiunea 8.1 asa:

SELECT a.ename [Nume angajat], s.ename [Nume manager],s.empno [Cod sef]

FROM emp a,emp s

WHERE a.mgr =7698

--R: Se produce produsul cartezian al celor doua tabele (cu alias-uri a si s)

-- Se obtin 5\*14 = 70 inregistrari:

***Nume angajat*** ***Nume manager*** ***Cod sef***

1. ALLEN SMITH 7369
2. ALLEN ALLEN 7499
3. ALLEN WARD 7521
4. ALLEN JONES 7566
5. ALLEN MARTIN 7654
6. ALLEN BLAKE 7698
7. ALLEN CLARK 7782
8. ALLEN SCOTT 7788
9. ALLEN KING 7839
10. ALLEN TURNER 7844
11. ALLEN ADAMS 7876
12. ALLEN JAMES 7900
13. ALLEN FORD 7902
14. ALLEN MILLER 7934
15. WARD SMITH 7369
16. WARD ALLEN 7499
17. WARD WARD 7521
18. WARD JONES 7566
19. WARD MARTIN 7654
20. WARD BLAKE 7698
21. WARD CLARK 7782
22. WARD SCOTT 7788
23. WARD KING 7839
24. WARD TURNER 7844
25. WARD ADAMS 7876
26. WARD JAMES 7900
27. WARD FORD 7902
28. WARD MILLER 7934
29. MARTIN SMITH 7369
30. MARTIN ALLEN 7499
31. MARTIN WARD 7521
32. MARTIN JONES 7566
33. MARTIN MARTIN 7654
34. MARTIN BLAKE 7698
35. MARTIN CLARK 7782
36. MARTIN SCOTT 7788
37. MARTIN KING 7839
38. MARTIN TURNER 7844
39. MARTIN ADAMS 7876
40. MARTIN JAMES 7900
41. MARTIN FORD 7902
42. MARTIN MILLER 7934

***Nume angajat*** ***Nume manager*** ***Cod sef***

1. TURNER SMITH 7369
2. TURNER ALLEN 7499
3. TURNER WARD 7521
4. TURNER JONES 7566
5. TURNER MARTIN 7654
6. TURNER BLAKE 7698
7. TURNER CLARK 7782
8. TURNER SCOTT 7788
9. TURNER KING 7839
10. TURNER TURNER 7844
11. TURNER ADAMS 7876
12. TURNER JAMES 7900
13. TURNER FORD 7902
14. TURNER MILLER 7934
15. JAMES SMITH 7369
16. JAMES ALLEN 7499
17. JAMES WARD 7521
18. JAMES JONES 7566
19. JAMES MARTIN 7654
20. JAMES BLAKE 7698
21. JAMES CLARK 7782
22. JAMES SCOTT 7788
23. JAMES KING 7839
24. JAMES TURNER 7844
25. JAMES ADAMS 7876
26. JAMES JAMES 7900
27. JAMES FORD 7902
28. JAMES MILLER 7934

**-- Ex. 9:**

/\*

Sa se afiseze job-urile (unice) din tabela emp.

\*/

SELECT DISTINCT job FROM emp

--Rezultatul este:

***job***

ANALYST

CLERK

MANAGER

PRESIDENT

SALESMAN

**-- Ex. 10:**

/\*

Sa se afiseze numele, job-ul si data angajarii pentru angajatii care au venit

intre 20.02.1981 si 1.05.1981.

Afisati-i in ordinea ascendenta a angajarii.

\*/

DBCC USEROPTIONS --vizualizeaza setarile pt. conexiunea curenta

--La mine pe calculator:

***Set Option*** ***Value***

textsize 2147483647

language us\_english

dateformat dmy

datefirst 7

lock\_timeout -1

quoted\_identifier SET

arithabort SET

ansi\_null\_dflt\_on SET

ansi\_warnings SET

ansi\_padding SET

ansi\_nulls SET

concat\_null\_yields\_null SET

isolation level read committed

SET dateformat dmy –se seteaza format data calend.: zi, luna, an

SELECT ename [Nume angajat], job, hiredate [Data angajare]

FROM emp

WHERE hiredate BETWEEN '20.02.1981' AND '1.05.1981'

ORDER BY 3

--Rezultatul este:

***Nume angajat*** ***job*** ***Data angajare***

ALLEN SALESMAN 1981-02-20 00:00:00.000

WARD SALESMAN 1981-02-22 00:00:00.000

JONES MANAGER 1981-04-02 00:00:00.000

BLAKE MANAGER 1981-05-01 00:00:00.000

**-- Ex. 11:**

/\*

Sa se afiseze numele si job-ul pentru angajatii care nu au manager.

Afisati-i in ordinea ascendenta a numelui.

\*/

SELECT ename, job FROM emp WHERE mgr IS NULL

ORDER BY ename

--Rezultatul este:

***ename*** ***job***

KING PRESIDENT

**-- Ex. 12:**

/\*

--Afisare date calendaristice in diferite formate, indiferent de

-- cum au fost stocate in BD(pt. angajatul cu codul 7566).

\*/

SELECT ename [Nume angajat],'AMERICAN:' [Format data angajare],CONVERT(varchar(30),hiredate,101) [Data angajare]

FROM angajati.dbo.emp WHERE empno=7566

UNION

SELECT ename [Nume angajat],'ANSI:' [Format data angajare],CONVERT(varchar(30),hiredate,102) [Data angajare]

FROM angajati.dbo.emp WHERE empno=7566

UNION

SELECT ename [Nume angajat], 'JAPONEZ:' [Format data angajare], CONVERT(varchar(30), hiredate,111) [Data angajare]

FROM angajati.dbo.emp WHERE empno=7566

UNION

SELECT ename [Nume angajat], 'EUROPEAN:' [Format data angajare], CONVERT(varchar(30),hiredate,113) [Data angajare]

FROM angajati.dbo.emp WHERE empno=7566

--Rezultatul este:

***Nume angajat*** ***Format data angajare*** ***Data angajare***

JONES AMERICAN: 04/02/1981

JONES ANSI: 1981.04.02

JONES EUROPEAN: 02 Apr 1981 00:00:00:000

JONES JAPONEZ: 1981/04/02

**-- Ex. 13:**

-- Afisare angajati in 1982:

select ename,hiredate from emp where hiredate like '%82%'

--Rezultatul este:

***ename*** ***hiredate***

SCOTT 1982-12-09 00:00:00.000

MILLER 1982-01-23 00:00:00.000

**-- Ex. 14:**

/\*

Afisati numele angajatilor a caror a treia litera a numelui este A

\*/

-- Vizualizare colate b.d. (pt. comparatii)

sp\_helpdb angajati

--Rezultatul este:

***name*** ***db\_size*** ***dbid*** … ***status***

angajati 7.00 MB 16 Status=ONLINE, Updateability=READ\_WRITE, UserAccess=MULTI\_USER, Recovery=FULL, Version=706, **Collation=Romanian\_CI\_AS, SQLSortOrder=0**, IsAutoCreateStatistics, IsAutoUpdateStatistics, IsFullTextEnabled 110

-- afisare nume angajat care are a treia litera a numelui 'A'

SELECT ename from emp

where ename collate latin1\_general\_cs\_as like '\_\_A%'

--Rezultatul este:

***ename***

BLAKE

CLARK

ADAMS

--In schimb, daca executam instructiunea:

SELECT ename from emp

where ename collate latin1\_general\_cs\_as like '\_\_a%'

--Rezultatul este:

***Ename --nu afiseaza nimic***

-- afisare nume angajat care are a treia litera a numelui 'A'

SELECT ename from emp

where ename like '\_\_a%'

--Rezultatul este:

***ename***

BLAKE

CLARK

ADAMS

--Afisare collations suportate de sql server

SELECT Name, Description FROM fn\_helpcollations()

WHERE Name like 'Lat%' --AND Description LIKE '% binary sort';

--Rezultatul este:

***Name Description***

***Latin1\_General\_CI\_AI Latin1-General, case-insensitive, accent-insensitive, kanatype-insensitive, width-insensitive***

***Latin1\_General\_CI\_AI\_WS Latin1-General, case-insensitive, accent-insensitive, kanatype-insensitive, width-sensitive***

***Latin1\_General\_CI\_AI\_KS Latin1-General, case-insensitive, accent-insensitive, kanatype-sensitive, width-insensitive***

***Latin1\_General\_CI\_AI\_KS\_WS Latin1-General, case-insensitive, accent-insensitive, kanatype-sensitive, width-sensitive***

***Latin1\_General\_CI\_AS Latin1-General, case-insensitive, accent-sensitive, kanatype-insensitive, width-insensitive***

***Latin1\_General\_CI\_AS\_WS Latin1-General, case-insensitive, accent-sensitive, kanatype-insensitive, width-sensitive***

***Latin1\_General\_CI\_AS\_KS Latin1-General, case-insensitive, accent-sensitive, kanatype-sensitive, width-insensitive***

***Latin1\_General\_CI\_AS\_KS\_WS Latin1-General, case-insensitive, accent-sensitive, kanatype-sensitive, width-sensitive***

***Latin1\_General\_CS\_AI Latin1-General, case-sensitive, accent-insensitive, kanatype-insensitive, width-insensitive***

***Latin1\_General\_CS\_AI\_WS Latin1-General, case-sensitive, accent-insensitive, kanatype-insensitive, width-sensitive***

***Latin1\_General\_CS\_AI\_KS Latin1-General, case-sensitive, accent-insensitive, kanatype-sensitive, width-insensitive***

***Latin1\_General\_CS\_AI\_KS\_WS Latin1-General, case-sensitive, accent-insensitive, kanatype-sensitive, width-sensitive***

***Latin1\_General\_CS\_AS Latin1-General, case-sensitive, accent-sensitive, kanatype-insensitive, width-insensitive***

***Latin1\_General\_CS\_AS\_WS Latin1-General, case-sensitive, accent-sensitive, kanatype-insensitive, width-sensitive***

***Latin1\_General\_CS\_AS\_KS Latin1-General, case-sensitive, accent-sensitive, kanatype-sensitive, width-insensitive***

***Latin1\_General\_CS\_AS\_KS\_WS Latin1-General, case-sensitive, accent-sensitive, kanatype-sensitive, width-sensitive***

**-- Ex. 15:**

-- Folosire functii sistem pentru date calendaristice.

-- Afisare nume, data angajare si data revizuire salariu(dupa 6 luni de la angajare).

select ename [Nume angajat],hiredate [Data angajare],

DATENAME(mm,hiredate) [Luna angajare],

DATENAME(mm,Dateadd(m,6,hiredate)) [Luna revizuire]

from emp

--Rezultatul este:

***Nume angajat***  ***Data angajare*** ***Luna angajare*** ***Luna revizuire***

SMITH 1980-12-17 00:00:00.000 December June

ALLEN 1981-02-20 00:00:00.000 February August

WARD 1981-02-22 00:00:00.000 February August

JONES 1981-04-02 00:00:00.000 April October

MARTIN 1981-09-28 00:00:00.000 September March

BLAKE 1981-05-01 00:00:00.000 May November

CLARK 1981-06-09 00:00:00.000 June December

SCOTT 1982-12-09 00:00:00.000 December June

KING 1981-11-17 00:00:00.000 November May

TURNER 1981-09-08 00:00:00.000 September March

ADAMS 1983-01-12 00:00:00.000 January July

JAMES 1981-12-03 00:00:00.000 December June

FORD 1981-12-03 00:00:00.000 December June

MILLER 1982-01-23 00:00:00.000 January July

---- afisare nume, data angajare si data revizuire salariu(dupa 6 luni de la angajare); se afiseaza si anul

select ename [Nume angajat],hiredate [Data angajare],

DATENAME(mm,hiredate) [Luna angajare],

DATENAME(mm,Dateadd(m,6,hiredate)) + ' '+DATENAME(yyyy,Dateadd(m,6,hiredate)) [Luna si anul revizuire]

FROM emp

--Rezultatul este:

***Nume angajat Data angajare*** ***Luna angajare*** ***Luna si anul revizuire***

SMITH 1980-12-17 00:00:00.000 December June 1981

ALLEN 1981-02-20 00:00:00.000 February August 1981

WARD 1981-02-22 00:00:00.000 February August 1981

JONES 1981-04-02 00:00:00.000 April October 1981

MARTIN 1981-09-28 00:00:00.000 September March 1982

BLAKE 1981-05-01 00:00:00.000 May November 1981

CLARK 1981-06-09 00:00:00.000 June December 1981

SCOTT 1982-12-09 00:00:00.000 December June 1983

KING 1981-11-17 00:00:00.000 November May 1982

TURNER 1981-09-08 00:00:00.000 September March 1982

ADAMS 1983-01-12 00:00:00.000 January July 1983

JAMES 1981-12-03 00:00:00.000 December June 1982

FORD 1981-12-03 00:00:00.000 December June 1982

MILLER 1982-01-23 00:00:00.000 January July 1982

--rescrisa fara functii calendaristice

select ename [Nume angajat],hiredate [Data angajare],

Month(hiredate) [Luna angajare],

(MONTH(hiredate)+6)%12 [Luna revizuire]

from emp --ce se intampla pt. luna angajare = 6?

--Rezultatul este:

***Nume angajat*** ***Data angajare*** ***Luna angajare*** ***Luna revizuire***

SMITH 1980-12-17 00:00:00.000 12 6

ALLEN 1981-02-20 00:00:00.000 2 8

WARD 1981-02-22 00:00:00.000 2 8

JONES 1981-04-02 00:00:00.000 4 10

MARTIN 1981-09-28 00:00:00.000 9 3

BLAKE 1981-05-01 00:00:00.000 5 11

CLARK 1981-06-09 00:00:00.000 6 0

SCOTT 1982-12-09 00:00:00.000 12 6

KING 1981-11-17 00:00:00.000 11 5

TURNER 1981-09-08 00:00:00.000 9 3

ADAMS 1983-01-12 00:00:00.000 1 7

JAMES 1981-12-03 00:00:00.000 12 6

FORD 1981-12-03 00:00:00.000 12 6

MILLER 1982-01-23 00:00:00.000 1 7

--rescrisa fara functii calendaristice(corectam luna angajare = 6)

select ename [Nume angajat],hiredate [Data angajare],

Month(hiredate) [Luna angajare],

(MONTH(hiredate)+5)%12+1 [Luna revizuire]

from emp

--Rezultatul este:

***Nume angajat*** ***Data angajare*** ***Luna angajare*** ***Luna revizuire***

SMITH 1980-12-17 00:00:00.000 12 6

ALLEN 1981-02-20 00:00:00.000 2 8

WARD 1981-02-22 00:00:00.000 2 8

JONES 1981-04-02 00:00:00.000 4 10

MARTIN 1981-09-28 00:00:00.000 9 3

BLAKE 1981-05-01 00:00:00.000 5 11

CLARK 1981-06-09 00:00:00.000 6 12

SCOTT 1982-12-09 00:00:00.000 12 6

KING 1981-11-17 00:00:00.000 11 5

TURNER 1981-09-08 00:00:00.000 9 3

ADAMS 1983-01-12 00:00:00.000 1 7

JAMES 1981-12-03 00:00:00.000 12 6

FORD 1981-12-03 00:00:00.000 12 6

MILLER 1982-01-23 00:00:00.000 1 7

--rescrisa instructiunea ant. cu instruct. CASE

select ename [Nume angajat],hiredate [Data angajare],

Month(hiredate) [Luna angajare],

[Luna revizuire] =

CASE (MONTH(hiredate)+6)%12

WHEN 0 THEN 12

ELSE (MONTH(hiredate)+6)%12

END

from emp

--Rezultatul este:

***Nume angajat*** ***Data angajare*** ***Luna angajare*** ***Luna revizuire***

SMITH 1980-12-17 00:00:00.000 12 6

ALLEN 1981-02-20 00:00:00.000 2 8

WARD 1981-02-22 00:00:00.000 2 8

JONES 1981-04-02 00:00:00.000 4 10

MARTIN 1981-09-28 00:00:00.000 9 3

BLAKE 1981-05-01 00:00:00.000 5 11

CLARK 1981-06-09 00:00:00.000 6 12

SCOTT 1982-12-09 00:00:00.000 12 6

KING 1981-11-17 00:00:00.000 11 5

TURNER 1981-09-08 00:00:00.000 9 3

ADAMS 1983-01-12 00:00:00.000 1 7

JAMES 1981-12-03 00:00:00.000 12 6

FORD 1981-12-03 00:00:00.000 12 6

MILLER 1982-01-23 00:00:00.000 1 7

--sau (fara conditie case)

select ename [Nume angajat],hiredate [Data angajare],

Month(hiredate) [Luna angajare],

[Luna revizuire] =

CASE

WHEN MONTH(hiredate)=6 THEN 12

ELSE (MONTH(hiredate)+6)%12 END

from emp

--Rezultatul este:

***Nume angajat*** ***Data angajare*** ***Luna angajare*** ***Luna revizuire***

SMITH 1980-12-17 00:00:00.000 12 6

ALLEN 1981-02-20 00:00:00.000 2 8

WARD 1981-02-22 00:00:00.000 2 8

JONES 1981-04-02 00:00:00.000 4 10

MARTIN 1981-09-28 00:00:00.000 9 3

BLAKE 1981-05-01 00:00:00.000 5 11

CLARK 1981-06-09 00:00:00.000 6 12

SCOTT 1982-12-09 00:00:00.000 12 6

KING 1981-11-17 00:00:00.000 11 5

TURNER 1981-09-08 00:00:00.000 9 3

ADAMS 1983-01-12 00:00:00.000 1 7

JAMES 1981-12-03 00:00:00.000 12 6

FORD 1981-12-03 00:00:00.000 12 6

MILLER 1982-01-23 00:00:00.000 1 7

--sau cu afisarea lunilor in lb. romana

select ename [Nume angajat], hiredate [Data angajare],

[Luna angajare] =

CASE MONTH (hiredate)

WHEN 1 THEN 'Ianuarie'

WHEN 2 THEN 'Februarie'

WHEN 3 THEN 'Martie'

WHEN 4 THEN 'Aprilie'

WHEN 5 THEN 'Mai'

WHEN 6 THEN 'Iunie'

WHEN 7 THEN 'Iulie'

WHEN 8 THEN 'August'

WHEN 9 THEN 'Septembrie'

WHEN 10 THEN 'Octombrie'

WHEN 11 THEN 'Noiembrie'

WHEN 12 THEN 'Decembrie'

END,

[Luna revizuire] =

CASE (MONTH(hiredate)+5)%12+1

WHEN 1 THEN 'Ianuarie'

WHEN 2 THEN 'Februarie'

WHEN 3 THEN 'Martie'

WHEN 4 THEN 'Aprilie'

WHEN 5 THEN 'Mai'

WHEN 6 THEN 'Íunie'

WHEN 7 THEN 'Íulie'

WHEN 8 THEN 'August'

WHEN 9 THEN 'Septembrie'

WHEN 10 THEN 'Octombrie'

WHEN 11 THEN 'Noiembrie'

WHEN 12 THEN 'Decembrie'

ELSE 'Luna eronata!!'

END

from emp

--Rezultatul este:

***Nume angajat*** ***Data angajare*** ***Luna angajare*** ***Luna revizuire***

SMITH 1980-12-17 00:00:00.000 Decembrie Íunie

ALLEN 1981-02-20 00:00:00.000 Februarie August

WARD 1981-02-22 00:00:00.000 Februarie August

JONES 1981-04-02 00:00:00.000 Aprilie Octombrie

MARTIN 1981-09-28 00:00:00.000 Septembrie Martie

BLAKE 1981-05-01 00:00:00.000 Mai Noiembrie

CLARK 1981-06-09 00:00:00.000 Iunie Decembrie

SCOTT 1982-12-09 00:00:00.000 Decembrie Íunie

KING 1981-11-17 00:00:00.000 Noiembrie Mai

TURNER 1981-09-08 00:00:00.000 Septembrie Martie

ADAMS 1983-01-12 00:00:00.000 Ianuarie Íulie

JAMES 1981-12-03 00:00:00.000 Decembrie Íunie

FORD 1981-12-03 00:00:00.000 Decembrie Íunie

MILLER 1982-01-23 00:00:00.000 Ianuarie Íulie

**-- Ex. 16:**

--Afisare nume angajat, cod sef si nr. depart., pt. angajatii cu un i si un l in nume

--si care fac parte din depart. 10 sau care au seful cu codul 7698 (si orice nume de angajat).

select ename,mgr,deptno

from emp

where (ename like '%i%l%'and deptno =10 )or mgr =7698

--Rezultatul este:

***ename*** ***mgr*** ***deptno***

ALLEN 7698 30

WARD 7698 30

MARTIN 7698 30

TURNER 7698 30

JAMES 7698 30

MILLER 7782 10

**-- Ex. 17:**

--Afisare cod produse, a categoriei din care fac parte si a numelui acestora.

--Afisarea se va face in ordinea ascendanta a ID produs.

use Northwind

Go

SELECT ProductID [cod produs], Categoria =

CASE CategoryID

WHEN 1 THEN 'Beverages'

WHEN 2 THEN 'Condiments'

WHEN 3 THEN 'Confections'

WHEN 4 THEN 'Dairy Products'

WHEN 5 THEN 'Grains/Cereals'

WHEN 6 THEN 'Meat/Poultry'

WHEN 7 THEN 'Produce'

WHEN 8 THEN 'Seafood'

ELSE 'Necunoscuta !!'

END,

ProductName [Nume produs]

FROM Products

ORDER BY ProductID;

GO

--Rezultatul este:

***cod produs*** ***Categoria*** ***Nume produs***

1 Beverages Chai

2 Beverages Chang

3 Condiments Aniseed Syrup

4 Condiments Chef Anton's Cajun Seasoning

5 Condiments Chef Anton's Gumbo Mix

6 Condiments Grandma's Boysenberry Spread

7 Produce Uncle Bob's Organic Dried Pears

8 Condiments Northwoods Cranberry Sauce

9 Meat/Poultry Mishi Kobe Niku

10 Seafood Ikura

11 Dairy Products Queso Cabrales

12 Dairy Products Queso Manchego La Pastora

13 Seafood Konbu

14 Produce Tofu

15 Condiments Genen Shouyu

16 Confections Pavlova

17 Meat/Poultry Alice Mutton

18 Seafood Carnarvon Tigers

19 Confections Teatime Chocolate Biscuits

20 Confections Sir Rodney's Marmalade

21 Confections Sir Rodney's Scones

22 Grains/Cereals Gustaf's Knäckebröd

23 Grains/Cereals Tunnbröd

24 Beverages Guaraná Fantástica

25 Confections NuNuCa Nuß-Nougat-Creme

26 Confections Gumbär Gummibärchen

27 Confections Schoggi Schokolade

28 Produce Rössle Sauerkraut

29 Meat/Poultry Thüringer Rostbratwurst

30 Seafood Nord-Ost Matjeshering

31 Dairy Products Gorgonzola Telino

32 Dairy Products Mascarpone Fabioli

33 Dairy Products Geitost

34 Beverages Sasquatch Ale

35 Beverages Steeleye Stout

36 Seafood Inlagd Sill

37 Seafood Gravad lax

38 Beverages Côte de Blaye

39 Beverages Chartreuse verte

40 Seafood Boston Crab Meat

41 Seafood Jack's New England Clam Chowder

42 Grains/Cereals Singaporean Hokkien Fried Mee

43 Beverages Ipoh Coffee

44 Condiments Gula Malacca

45 Seafood Rogede sild

46 Seafood Spegesild

47 Confections Zaanse koeken

48 Confections Chocolade

49 Confections Maxilaku

50 Confections Valkoinen suklaa

51 Produce Manjimup Dried Apples

52 Grains/Cereals Filo Mix

53 Meat/Poultry Perth Pasties

54 Meat/Poultry Tourtière

55 Meat/Poultry Pâté chinois

56 Grains/Cereals Gnocchi di nonna Alice

57 Grains/Cereals Ravioli Angelo

58 Seafood Escargots de Bourgogne

59 Dairy Products Raclette Courdavault

60 Dairy Products Camembert Pierrot

61 Condiments Sirop d'érable

62 Confections Tarte au sucre

63 Condiments Vegie-spread

64 Grains/Cereals Wimmers gute Semmelknödel

65 Condiments Louisiana Fiery Hot Pepper Sauce

66 Condiments Louisiana Hot Spiced Okra

67 Beverages Laughing Lumberjack Lager

68 Confections Scottish Longbreads

69 Dairy Products Gudbrandsdalsost

70 Beverages Outback Lager

71 Dairy Products Flotemysost

72 Dairy Products Mozzarella di Giovanni

73 Seafood Röd Kaviar

74 Produce Longlife Tofu

75 Beverages Rhönbräu Klosterbier

76 Beverages Lakkalikööri

77 Condiments Original Frankfurter grüne Soße

--in limba romana (categoria); afisarea se va face in ordinea categoriei, iar in

--cadrul categoriei, in ordinea ascendenta a numelui de produs.

SELECT ProductID [cod produs],

Categoria =

CASE CategoryID

WHEN 1 THEN 'Bauturi'

WHEN 2 THEN 'Condimente'

WHEN 3 THEN 'Dulciuri'

WHEN 4 THEN 'Produse lactate'

WHEN 5 THEN 'Grane/Cereale'

WHEN 6 THEN 'Carne/Pasari de curte'

WHEN 7 THEN 'Legume si fructe'

WHEN 8 THEN 'Fructe de mare'

ELSE 'Necunoscuta !!'

END,

ProductName [Nume produs]

FROM Products

ORDER BY Categoria,[Nume produs];

GO

--Rezultatul este:

***cod produs*** ***Categoria*** ***Nume produs***

**1 Bauturi Chai**

2 Bauturi Chang

39 Bauturi Chartreuse verte

38 Bauturi Côte de Blaye

24 Bauturi Guaraná Fantástica

43 Bauturi Ipoh Coffee

76 Bauturi Lakkalikööri

67 Bauturi Laughing Lumberjack Lager

70 Bauturi Outback Lager

75 Bauturi Rhönbräu Klosterbier

34 Bauturi Sasquatch Ale

35 Bauturi Steeleye Stout

17 **Carne/Pasari de curte** Alice Mutton

9 Carne/Pasari de curte Mishi Kobe Niku

55 Carne/Pasari de curte Pâté chinois

53 Carne/Pasari de curte Perth Pasties

29 Carne/Pasari de curte Thüringer Rostbratwurst

54 Carne/Pasari de curte Tourtière

**3 Condimente Aniseed Syrup**

4 Condimente Chef Anton's Cajun Seasoning

5 Condimente Chef Anton's Gumbo Mix

15 Condimente Genen Shouyu

6 Condimente Grandma's Boysenberry Spread

44 Condimente Gula Malacca

65 Condimente Louisiana Fiery Hot Pepper Sauce

66 Condimente Louisiana Hot Spiced Okra

8 Condimente Northwoods Cranberry Sauce

77 Condimente Original Frankfurter grüne Soße

61 Condimente Sirop d'érable

63 Condimente Vegie-spread

**48 Confectii Chocolade**

26 Confectii Gumbär Gummibärchen

49 Confectii Maxilaku

25 Confectii NuNuCa Nuß-Nougat-Creme

16 Confectii Pavlova

27 Confectii Schoggi Schokolade

68 Confectii Scottish Longbreads

20 Confectii Sir Rodney's Marmalade

21 Confectii Sir Rodney's Scones

62 Confectii Tarte au sucre

19 Confectii Teatime Chocolate Biscuits

50 Confectii Valkoinen suklaa

47 Confectii Zaanse koeken

**52 Grane/Cereale Filo Mix**

56 Grane/Cereale Gnocchi di nonna Alice

22 Grane/Cereale Gustaf's Knäckebröd

57 Grane/Cereale Ravioli Angelo

42 Grane/Cereale Singaporean Hokkien Fried Mee

23 Grane/Cereale Tunnbröd

64 Grane/Cereale Wimmers gute Semmelknödel

**74 Produse agricole Longlife Tofu**

51 Produse agricole Manjimup Dried Apples

28 Produse agricole Rössle Sauerkraut

14 Produse agricole Tofu

7 Produse agricole Uncle Bob's Organic Dried Pears

**60 Produse lactate Camembert Pierrot**

71 Produse lactate Flotemysost

33 Produse lactate Geitost

31 Produse lactate Gorgonzola Telino

69 Produse lactate Gudbrandsdalsost

32 Produse lactate Mascarpone Fabioli

72 Produse lactate Mozzarella di Giovanni

11 Produse lactate Queso Cabrales

12 Produse lactate Queso Manchego La Pastora

59 Produse lactate Raclette Courdavault

**40 Produse marine Boston Crab Meat**

18 Produse marine Carnarvon Tigers

58 Produse marine Escargots de Bourgogne

37 Produse marine Gravad lax

10 Produse marine Ikura

36 Produse marine Inlagd Sill

41 Produse marine Jack's New England Clam Chowder

13 Produse marine Konbu

30 Produse marine Nord-Ost Matjeshering

73 Produse marine Röd Kaviar

45 Produse marine Rogede sild

46 Produse marine Spegesild