



Soluzione esercitazione 02

Sistemi Informativi L-A

Home Page del corso:

<http://www-db.deis.unibo.it/courses/SIL-A/>

Versione elettronica: [SolEse02.pdf](#)



Query database "SAMPLE"

1.

```
SELECT *
FROM DB2ADMIN.EMPLOYEE
WHERE WORKDEPT='D11'
AND SEX='F' AND SALARY>22000
```
2.

```
SELECT DEPTNAME
FROM DB2ADMIN.DEPARTMENT
WHERE DEPTNAME LIKE '%S' AND ADMRDEPT='D01'
ORDER BY DEPTNAME
```
3.

```
SELECT NAME FROM DB2ADMIN.STAFF WHERE SALARY>20000
EXCEPT
SELECT NAME FROM DB2ADMIN.STAFF WHERE JOB='Mgr '
```



Query database "SAMPLE"

4.

```
SELECT E.*  
FROM DB2ADMIN.DEPARTMENT D, DB2ADMIN.EMPLOYEE E  
WHERE E.EDLEVEL=16 AND E.WORKDEPT=D.DEPTNO  
AND D.DEPTNAME IN ('ADMINISTRATION SYSTEMS', 'SUPPORT SERVICES')
```

5.

```
SELECT DEPTNAME  
FROM DB2ADMIN.DEPARTMENT  
WHERE MGRNO IS NULL
```

6.

```
SELECT ID, NAME  
FROM DB2ADMIN.STAFF  
WHERE COMM IS NOT NULL  
AND YEARS BETWEEN 3 AND 5
```



Query database "SAMPLE"

7. `SELECT NAME, JOB, SALARY+COMM AS TOT
FROM DB2ADMIN.STAFF
WHERE (SALARY+COMM)<=17000
ORDER BY TOT`

8. `SELECT PROJNO, PROJNAME
FROM DB2ADMIN.PROJECT
WHERE PRENDATE='1982-09-15'
UNION
SELECT PROJNO, PROJNAME
FROM DB2ADMIN.PROJECT
WHERE PRENDATE='1982-12-01'
ORDER BY PROJNO, PROJNAME DESC`



Query database "SAMPLE"

9. `SELECT REGION FROM DB2ADMIN.SALES
WHERE SALES_PERSON='LUCCHESSI'
AND SALES_DATE='1996-03-29`
INTERSECT
SELECT REGION FROM DB2ADMIN.SALES
WHERE SALES_PERSON='LEE'
AND SALES_DATE='1996-03-29``
10. `SELECT E.FIRSTNME, E.LASTNAME
FROM DB2ADMIN.EMPLOYEE E, DB2ADMIN.SALES S
WHERE E.LASTNAME=S.SALES_PERSON
AND S.SALES_DATE='1996-04-01'
AND S.REGION='Quebec'
ORDER BY LASTNAME, FIRSTNME`



Query database "SAMPLE"

11. **SELECT P.***
FROM DB2ADMIN.PROJECT P, DB2ADMIN.EMPLOYEE E,
DB2ADMIN.DEPARTMENT D
WHERE D.DEPTNAME='PLANNING'
AND D.DEPTNO=E.WORKDEPT
AND E.SEX='M'
AND E.EDLEVEL>=18
AND E.EMPNO=P.RESPEMP
12. **SELECT REGION, SUM(SALES) AS TOT_SALES**
FROM DB2ADMIN.SALES
GROUP BY REGION
ORDER BY TOT_SALES DESC



Query database “SAMPLE”

```
13. SELECT PROJNAME, COUNT(DISTINCT EA.EMPNO) AS PRJ_EMP
FROM DB2ADMIN.EMP_ACT EA, DB2ADMIN.PROJECT P
WHERE EA.PROJNO=P.PROJNO
GROUP BY P.PROJNAME
ORDER BY PRJ_EMP DESC
FETCH FIRST 5 ROWS ONLY
```

Azienda meccanica: query (1)

- ```
SELECT PS.*
FROM PEZZI_SPEDITI PS, CLIENTI C
WHERE PS.CODICE_FISC=C.CODICE_FISC
AND C.RAG_SOC LIKE '%Vini%'
AND C.TELEFONO IS NOT NULL
```
- ```
SELECT PS.CODICE_SPED, PS.QUANTITA
FROM PEZZI_SPEDITI PS, PEZZI P
WHERE PS.CODICE_Pezzo=P.CODICE_Pezzo
AND P.DIM1<X
AND P.DIM2<X
ORDER BY PS.QUANTITA DESC, PS.CODICE_SPED
```


Azienda meccanica: query (2)

- ```
SELECT PS.CODICE_SPED
FROM PEZZI_SPEDITI PS, PEZZI P
WHERE PS.CODICE_PEZZO=P.CODICE_PEZZO
AND P.DESCRIZIONE IS NULL

UNION (senza duplicati) / UNION ALL (con duplicati)

SELECT PS.CODICE_SPED
FROM PEZZI_SPEDITI PS, CLIENTI C
WHERE PS.CODICE_FISC=C.CODICE_FISC
AND C.TELEFONO IS NULL
```