



Soluzione esercitazione 04

Sistemi Informativi L-A

Home Page del corso:

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

Versione elettronica: [SolEse04.pdf](#)

Query applicazione Sample2

1.

```
SELECT MAX(SALARY)
FROM DB2ADMIN.EMPLOYEE
```
2.

```
SELECT FIRSTNAME, LASTNAME, EDLEVEL
FROM DB2ADMIN.EMPLOYEE
WHERE SALARY = (SELECT MIN(SALARY)
                FROM DB2ADMIN.EMPLOYEE)
              OR SALARY = (SELECT MAX(SALARY)
                          FROM DB2ADMIN.EMPLOYEE)
```
3.

```
SELECT COUNT(*)
FROM DB2ADMIN.DEPARTMENT
WHERE ADMRDEPT = (SELECT DEPTNO
                 FROM DB2ADMIN.DEPARTMENT
                 WHERE DEPTNAME='SUPPORT SERVICES')
```

Query applicazione Sample2

4.

```
SELECT SUM(COMM)
FROM DB2ADMIN.EMPLOYEE
WHERE WORKDEPT='D11'
```

5.

```
SELECT CAST(AVG(COMM) AS DECIMAL(7, 2))
FROM DB2ADMIN.STAFF
WHERE JOB='Sales'
```

6.

```
SELECT D.DEPTNO, COUNT(E.EMPNO) AS DEP_IMP
FROM DB2ADMIN.DEPARTMENT D LEFT OUTER JOIN
      DB2ADMIN.EMPLOYEE E ON (D.DEPTNO=E.WORKDEPT)
GROUP BY D.DEPTNO
ORDER BY DEP_IMP DESC
```

-- Restituisce 0 per i dipartimenti che non hanno impiegati

Query applicazione Sample2

7.

```
SELECT FIRSTNME, LASTNAME
FROM DB2ADMIN.EMPLOYEE
WHERE WORKDEPT IN (SELECT DEPTNO
                    FROM DB2ADMIN.DEPARTMENT
                    WHERE ADMRDEPT='A00')
ORDER BY LASTNAME, FIRTNME
```

8.

```
SELECT DEPTNO
FROM DB2ADMIN.DEPARTMENT
WHERE EXISTS (SELECT *
              FROM DB2ADMIN.EMPLOYEE
              WHERE LASTNAME LIKE 'L%'
              AND WORKDEPT=DEPTNO)
```

Query applicazione Sample2

9. SELECT DEPTNO

FROM DB2ADMIN.DEPARTMENT

WHERE NOT EXISTS (SELECT *

FROM DB2ADMIN.EMPLOYEE

WHERE LASTNAME LIKE 'L%'

AND WORKDEPT=DEPTNO)

SELECT DISTINCT DEPTNO

FROM DB2ADMIN.DEPARTMENT D LEFT OUTER JOIN

DB2ADMIN.EMPLOYEE E ON (D.DEPTNO=E.WORKDEPT) AND

(LASTNAME LIKE 'L%')

WHERE EMPNO IS NULL