

**CREATE TABLE STUDENTI**

(id int primary key,  
nume varchar(10) not null,  
adresa varchar(10) not null);

**CREATE TABLE NOTE**

(id int REFERENCES studenti(id),  
disciplina varchar(10) not null,  
nota number(2) not null);

INSERT INTO studenti values('1', 'ion', 'Arad');

INSERT INTO studenti values('2', 'dan', 'Timis');

INSERT INTO studenti values('3', 'gicu', 'Caras');

```
SQL> SELECT * from studenti;
      ID NUME      ADRESA
-----
      1  ion      Arad
      2  dan      Timis
      3  gicu      Caras
```

INSERT INTO note values(1, 'BD', 10);

INSERT INTO note values(2, 'TS', 9);

INSERT INTO note values(1, 'TS', 6);

```
SQL> SELECT * from note;
      ID DISCIPLINA      NOTA
-----
      1  BD              10
      2  TS              9
      1  TS              6
```

**a) Afisarea tuturor studentilor (si a eventualelor lor note):**

```
SELECT A.*, disciplina, nota
      FROM studenti A, note B
      WHERE A.id=B.id(+);
```

```
      ID NUME      ADRESA      DISCIPLINA      NOTA
-----
      1  ion      Arad      BD              10
      2  dan      Timis      TS              9
      1  ion      Arad      TS              6
      3  gicu      Caras
```

**b) Afisarea studentilor care NU s-au prezentat la nici un examen:**

```
SELECT A.*, disciplina, nota
      FROM studenti A, note B
      WHERE A.id=B.id(+) and B.nota IS NULL;
```

```
      ID NUME      ADRESA      DISCIPLINA      NOTA
-----
      3  gicu      Caras
```

**!!!Observatie:** Comanda urmatoare este **incorecta**: - datorita inexistentei unei valori in coloana NOTA din tabela NOTE (echivalent cu NULL), operatorul <> NU este adecvat! Se genereaza rezultate eronate, vezi mai jos:

```
SELECT A.*, disciplina, nota
      FROM studenti A, note B
      WHERE A.id<>B.id;
```

```
      ID NUME      ADRESA      DISCIPLINA      NOTA
-----
      1  ion      Arad      TS              9
      2  dan      Timis      BD              10
      2  dan      Timis      TS              6
      3  gicu      Caras      BD              10
      3  gicu      Caras      TS              9
      3  gicu      Caras      TS              6
```