

BASE DE DONNÉES

Rapport de Saé

Partie 3
Test de la base de données

RAPPORT DE

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Personne

Test des tables : INSERT

Test des types

```
INSERT INTO Personne (NumCompte, NomPersonne,
DateInscription) VALUES (DoReMi,154,15);
```

```
Error starting at line : 63 in command -
INSERT INTO Personne (NumCompte, NomPersonne, DateInscription) VALUES (DoReMi,154,15)
Error at Command Line : 63 Column : 72
Error report -
SQL Error: ORA-00984: column not allowed here
00984. 00000 - "column not allowed here"
*Cause:
*Action:
```

Insertion conforme :

```
INSERT INTO Personne (NumCompte,NomPersonne,DateInscription)
VALUES (Ø,'Gelilivre',TO_DATE('2023-01-25','YYYY-MM-DD'));
```

```
INSERT INTO Personne (NumCompte,NomPersonne,DateInscription)
VALUES (1,'Jachetelivre',TO_DATE('2023-01-25','YYYY-MM-DD'));
```

```
1 row inserted.
```

```
1 row inserted.
```

Test de clé :

```
INSERT INTO Personne (NumCompte,NomPersonne,DateInscription)
VALUES (Ø,'Gelijachetelivre',TO_DATE('2023-01-25','YYYY-MM-
DD'));
```

```
Error starting at line : 66 in command -
INSERT INTO Personne (NumCompte,NomPersonne,DateInscription) VALUES (Ø,"Gelijachetelivre",TO_DATE('2023-01-25','YYYY-MM-DD'))
Error at Command Line : 66 Column : 72
Error report -
SQL Error: ORA-00984: column not allowed here
00984. 00000 - "column not allowed here"
*Cause:
*Action:
```

Personne

Test des tables : UPDATE

Test de mise à jour sur clé primaire

```
UPDATE Personne SET NumCompte=3 WHERE NumCompte=1;
```

Test de mise à jour sur la date d'inscription

```
UPDATE Personne SET DateInscription=TO_DATE('2023-01-26','YYYY-MM-DD') WHERE NumCompte=0;
```

1 row updated.

1 row updated.

Acheteur

Test des tables : INSERT

Test des types

```
INSERT INTO Acheteur (NumCompte,Statut) VALUES ('un',12);
```

```
Error starting at line : 70 in command -  
INSERT INTO Acheteur (NumCompte,Statut) VALUES ('un',12)  
Error report -  
ORA-01722: invalid number
```

Insertion conforme :

```
INSERT INTO Acheteur (NumCompte,Statut) VALUES (0,'assez  
fidèle');
```

```
1 row inserted.
```

Test de clé référentielle :

```
INSERT INTO Acheteur (NumCompte,Statut) VALUES (2,'fidèle');
```

```
Error starting at line : 74 in command -  
INSERT INTO Acheteur (NumCompte,Statut) VALUES (0,'fidèle')  
Error report -  
ORA-00001: unique constraint (DAVEIGA.SYS_C0073630) violated
```

Acheteur

Test des tables : UPDATE

Test de mise à jour sur clé primaire

```
UPDATE Acheteur SET NumCompte=1 WHERE NumCompte=0;
```

```
Error starting at line : 162 in command -  
UPDATE Acheteur SET NumCompte=1 WHERE NumCompte=0  
Error report -  
ORA-02291: integrity constraint (DAVEIGA.SYS_C0073631) violated - parent key not found
```

```
UPDATE Acheteur SET NumCompte=0 WHERE NumCompte=1;
```

```
0 rows updated.
```

Test de mise à jour sur la date d'inscription

```
UPDATE Acheteur SET Statut='très fidèle' WHERE NumCompte=3;
```

```
0 rows updated.
```

```
UPDATE Acheteur SET Statut='très fidèle' WHERE NumCompte=0;
```

```
1 row updated.
```

Vendeur

Test des tables : INSERT

Test des types

```
INSERT INTO Vendeur (NumCompte, Evaluation) VALUES (adqz,5);
```

```
Error starting at line : 82 in command -
```

```
INSERT INTO Vendeur (NumCompte, Evaluation) VALUES (adqz,5)
```

```
Error at Command Line : 82 Column : 53
```

```
Error report -
```

```
SQL Error: ORA-00984: column not allowed here
```

```
00984. 00000 - "column not allowed here"
```

```
*Cause:
```

```
*Action:
```

```
INSERT INTO Vendeur (NumCompte, Evaluation) VALUES  
("adqz",5);
```

```
Error starting at line : 83 in command -
```

```
INSERT INTO Vendeur (NumCompte, Evaluation) VALUES ("adqz",5)
```

```
Error at Command Line : 83 Column : 53
```

```
Error report -
```

```
SQL Error: ORA-00984: column not allowed here
```

```
00984. 00000 - "column not allowed here"
```

```
*Cause:
```

```
*Action:
```

```
INSERT INTO Vendeur (NumCompte, Evaluation) VALUES (1,5);  
1 row inserted.
```

Evaluation étant de type varchar2 nous nous attendions à une erreur.

On supprime pour la suite des tests.

```
DELETE FROM Vendeur WHERE NumCompte = 1;  
1 row deleted.
```

Insertion conforme

```
INSERT INTO Vendeur (NumCompte, Evaluation) VALUES (0,'5  
etoiles');
```

```
1 row inserted.
```

Test de clé étrangère

```
INSERT INTO Vendeur (NumCompte, Evaluation) VALUES 0,'3  
etoiles");
```

```
Error starting at line : 93 in command -
```

```
INSERT INTO Vendeur (NumCompte, Evaluation) VALUES (0,'3 etoiles')
```

```
Error report -
```

```
ORA-00001: unique constraint (DAVEIGA.SYS_C0073632) violated
```

Test de clé référentielle

```
INSERT INTO Vendeur (NumCompte, Evaluation) VALUES (5,'5  
etoiles');
```

```
Error starting at line : 96 in command -
```

```
INSERT INTO Vendeur (NumCompte, Evaluation) VALUES (5,'5 etoiles')
```

```
Error report -
```

```
ORA-02291: integrity constraint (DAVEIGA.SYS_C0073633) violated - parent key not found
```

Vendeur

Test des tables : UPDATE

Test de mise à jour sur clé primaire

```
UPDATE Vendeur SET NumCompte=1 WHERE NumCompte=0;
```

Test de mise à jour d'attribut

```
UPDATE Vendeur SET Evaluation='4 étoiles' WHERE NumCompte=0;
```

```
Error starting at line : 170 in command -
```

```
UPDATE Vendeur SET NumCompte=1 WHERE NumCompte=0
```

```
Error report -
```

```
ORA-02291: integrity constraint (DAVEIGA.SYS_C0073633) violated - parent key not found
```

Test de mise à jour d'attribut

```
UPDATE Vendeur SET Evaluation='4 étoiles' WHERE NumCompte=0;
```

```
1 row updated.
```

Editeur

Test des tables : INSERT

Test des types

```
INSERT INTO Editeur (IdEdit,NomEdit) VALUES ('zero',12);
```

```
Error starting at line : 101 in command -  
INSERT INTO Editeur (IdEdit,NomEdit) VALUES ('zero',12)  
Error report -  
ORA-01722: invalid number
```

Insertion conforme

```
INSERT INTO Editeur (IdEdit,NomEdit) VALUES (0,'Jean-Luc');  
INSERT INTO Editeur (IdEdit,NomEdit) VALUES (1,'Jean2');
```

```
1 row inserted.
```

```
1 row inserted.
```

Test de clé étrangère

```
INSERT INTO Editeur (IdEdit,NomEdit) VALUES (1,'Hugo');
```

```
Error starting at line : 106 in command -  
INSERT INTO Editeur (IdEdit,NomEdit) VALUES (1,'Hugo')  
Error report -  
ORA-00001: unique constraint (DAVEIGA.SYS_C0073634) violated
```


Editeur

Test des tables : UPDATE

Test de mise à jour sur clé primaire

```
UPDATE Editeur SET IdEdit = 1 WHERE IdEdit=0;
```

```
Error starting at line : 177 in command -
```

```
UPDATE Editeur SET IdEdit = 1 WHERE IdEdit=0
```

```
Error report -
```

```
ORA-00001: unique constraint (DAVEIGA.SYS_C0073634) violated
```

```
UPDATE Editeur SET IdEdit = 1 WHERE IdEdit=3;
```

```
0 rows updated.
```

Test de mise à jour d'attribut

```
UPDATE Editeur SET NomEdit='JaimeLire' WHERE IdEdit=3;
```

```
0 rows updated.
```

```
UPDATE Editeur SET NomEdit='JaimeLire' WHERE IdEdit=0;
```

```
1 row updated.
```

Livre

Test des tables : INSERT

Test des types

```
INSERT INTO Livre (NumLivre,Titre,Categorie) VALUES  
( 'cinq',1984,1874);
```

```
Error starting at line : 112 in command -  
INSERT INTO Livre (NumLivre,Titre,Categorie) VALUES ('cinq',1984,1874)  
Error report -  
ORA-01722: invalid number
```

Insertion conforme

```
INSERT INTO Livre (NumLivre,Titre,Categorie) VALUES  
(1,'1984','Science-fiction');  
INSERT INTO Livre (NumLivre,Titre,Categorie) VALUES  
(2,'1984','Science-fiction');
```

```
1 row inserted.
```

```
1 row inserted.
```

Test de clé étrangère

```
INSERT INTO Livre (NumLivre,Titre,Categorie) VALUES (1,'Le  
monde de Narnia','Fantaisie épique');  
INSERT INTO Livre (NumLivre,Titre,Categorie) VALUES (2,'Le  
monde de Narnia','Fantaisie épique');
```

```
Error starting at line : 117 in command -  
INSERT INTO Livre (NumLivre,Titre,Categorie) VALUES (1,'Le monde de Narnia','Fantaisie épique')  
Error report -  
ORA-00001: unique constraint (DAVEIGA.SYS_C0073635) violated
```

```
Error starting at line : 118 in command -  
INSERT INTO Livre (NumLivre,Titre,Categorie) VALUES (2,'Le monde de Narnia','Fantaisie épique')  
Error report -  
ORA-00001: unique constraint (DAVEIGA.SYS_C0073635) violated
```

Livre

Test des tables : UPDATE

Test de mise à jour sur clé primaire

```
UPDATE Livre SET NumLivre=3 WHERE NumLivre=2;
```

Error starting at line : 185 in command -

```
UPDATE Livre SET NumLivre=3 WHERE NumLivre=2
```

Error report -

```
ORA-02292: integrity constraint (DAVEIGA.SYS_C0073638) violated - child record found
```

Test de mise à jour d'attribut

```
UPDATE Livre SET Titre='Eragon' WHERE NumLivre=2;
```

```
UPDATE Livre SET Categorie='Fantaisie' WHERE  
Titre='Eragon';
```

```
1 row updated.
```

```
1 row updated.
```

Edition

Test des tables : INSERT

Test des types

```
INSERT INTO Edition (IdEdit,NumLivre,NumPages) VALUES ('zero','douze','cent');
```

Error starting at line : 124 in command -

```
INSERT INTO Edition (IdEdit,NumLivre,NumPages) VALUES ('zero','douze','cent')
```

Error report -

ORA-01722: invalid number

Insertion conforme

```
INSERT INTO Edition (IdEdit,NumLivre,NumPages) VALUES (0,1,100);
```

```
INSERT INTO Edition (IdEdit,NumLivre,NumPages) VALUES (1,2,100);
```

1 row inserted.

1 row inserted.

Test de clé étrangère

```
INSERT INTO Edition (IdEdit,NumLivre,NumPages) VALUES (1,2,100);
```

Error starting at line : 129 in command -

```
INSERT INTO Edition (IdEdit,NumLivre,NumPages) VALUES (1,2,100)
```

Error report -

ORA-00001: unique constraint (DAVEIGA.SYS_C0073636) violated

Test de clé référentielle

```
INSERT INTO Edition (IdEdit,NumLivre,NumPages) VALUES (3,3,100);
```

Error starting at line : 131 in command -

```
INSERT INTO Edition (IdEdit,NumLivre,NumPages) VALUES (3,3,100)
```

Error report -

ORA-02291: integrity constraint (DAVEIGA.SYS_C0073638) violated - parent key not found

Edition

Test des tables : UPDATE

Test de mise à jour sur clé primaire, composée

```
UPDATE Edition SET IdEdit = 2, NumLivre = 3 WHERE IdEdit = 0  
AND NumLivre = 1;
```

```
Error starting at line : 195 in command -  
UPDATE Edition SET IdEdit = 2, NumLivre = 3 WHERE IdEdit = 0 AND NumLivre = 1  
Error report -  
ORA-02291: integrity constraint (DAVEIGA.SYS_C0073638) violated - parent key not found
```

Test de mise à jour d'attribut

```
UPDATE Edition SET NumPages = 150 WHERE IdEdit = 1 AND  
NumLivre = 2;
```

```
1 row updated.
```

Exemplaire

Test des tables : INSERT

Test des types

```
INSERT INTO Exemplaire
(IdEdit,NumLivre,NumEx,PrixMin,PrixMax,NumCompte) VALUES
('b','6','1','15','30','1');
```

```
Error starting at line : 124 in command -
INSERT INTO Edition (IdEdit,NumLivre,NumPages) VALUES ('zero','douze','cent')
Error report -
ORA-01722: invalid number
```

Insertion conforme

```
INSERT INTO Exemplaire
(IdEdit,NumLivre,NumEx,PrixMin,PrixMax,NumCompte)
VALUES (0,1,0,15,30,0);

1 row inserted.
```

Test de clé étrangère

```
INSERT INTO Exemplaire
(IdEdit,NumLivre,NumEx,PrixMin,PrixMax,NumCompte)
VALUES (1,2,1,15,30,1);
```

```
Error starting at line : 143 in command -
INSERT INTO Exemplaire (IdEdit,NumLivre,NumEx,PrixMin,PrixMax,NumCompte) VALUES (1,2,1,15,30,1)
Error report -
ORA-02291: integrity constraint (DAVEIGA.SYS_C0073675) violated - parent key not found
```

Test de clé référentielle

```
INSERT INTO Exemplaire
(IdEdit,NumLivre,NumEx,PrixMin,PrixMax,NumCompte)
VALUES (3,3,1,15,30,1);
```

```
Error starting at line : 146 in command -
INSERT INTO Exemplaire (IdEdit,NumLivre,NumEx,PrixMin,PrixMax,NumCompte) VALUES (3,3,1,15,30,1)
Error report -
ORA-02291: integrity constraint (DAVEIGA.SYS_C0073676) violated - parent key not found
```

Exemple

Test des tables : UPDATE

Test de mise à jour sur clé primaire

```
UPDATE Exemple SET IdEdit=1 WHERE IdEdit=0;
```

```
Error starting at line : 204 in command -  
UPDATE Exemple SET IdEdit=1 WHERE IdEdit=0  
Error report -  
ORA-02291: integrity constraint (DAVEIGA.SYS_C0073676) violated - parent key not found
```

```
UPDATE Exemple SET NumLivre=0 WHERE NumLivre=1;
```

```
Error starting at line : 205 in command -  
UPDATE Exemple SET NumLivre=0 WHERE NumLivre=1  
Error report -  
ORA-02291: integrity constraint (DAVEIGA.SYS_C0073676) violated - parent key not found
```

```
UPDATE Exemple SET NumEx=1 WHERE NumEx=0;
```

```
1 row updated.
```

Test de mise à jour d'attribut

```
UPDATE Exemple SET PrixMin = 1 WHERE IdEdit=0 AND  
NumLivre=1 AND NumEx = 0;
```

```
UPDATE Exemple SET PrixMax=15 WHERE IdEdit=0 AND  
NumLivre=1 AND NumEx = 0;
```

```
0 rows updated.
```

```
0 rows updated.
```

```
UPDATE Exemple SET PrixMax=15 WHERE NumEx = 1;
```

```
1 row updated.
```

DELETE

Test sur les tables, dans l'ordre.

Test de suppression sur les tables référencées

Référencé par Acheteur et Vendeur

```
DELETE FROM Personne WHERE NumCompte = 0;
```

```
Error starting at line : 224 in command -  
DELETE FROM Personne WHERE NumCompte = 0  
Error report -  
ORA-02292: integrity constraint (DAVEIGA.SYS_C0073631) violated - child record found
```

Référencé par Exemple

```
DELETE FROM Vendeur WHERE NumCompte = 0;
```

```
Error starting at line : 227 in command -  
DELETE FROM Vendeur WHERE NumCompte = 0  
Error report -  
ORA-02292: integrity constraint (DAVEIGA.SYS_C0073675) violated - child record found
```

Référencé par Edition

```
DELETE FROM Editeur WHERE IdEdit =0;
```

```
Error starting at line : 230 in command -  
DELETE FROM Editeur WHERE IdEdit =0  
Error report -  
ORA-02292: integrity constraint (DAVEIGA.SYS_C0073637) violated - child record found
```

Référencé par Edition

```
DELETE FROM Livre WHERE NumLivre = 1;
```

```
Error starting at line : 233 in command -  
DELETE FROM Livre WHERE NumLivre = 1  
Error report -  
ORA-02292: integrity constraint (DAVEIGA.SYS_C0073638) violated - child record found
```

Référencé par Exemple

```
INSERT INTO Exemple  
(IdEdit,NumLivre,NumEx,PrixMin,PrixMax,NumCompte)  
VALUES (0,1,2,10,15,0);
```

```
DELETE FROM Edition WHERE idEdit =0;
```

```
Error starting at line : 236 in command -  
DELETE FROM Edition WHERE idEdit = 0  
Error report -  
ORA-02292: integrity constraint (DAVEIGA.SYS_C0073676) violated - child record found
```


DELETE

Test sur les tables, dans l'ordre.

Test de suppression correct de tout les tuples

Table : Exempleaire

```
DELETE FROM Exempleaire WHERE IdEdit = Ø AND NumLivre = 1 AND  
numEx = 2;
```

```
DELETE FROM Exempleaire WHERE IdEdit = Ø AND NumLivre = 1 AND  
numEx = 1;
```

```
| 1 row deleted.
```

```
| 1 row deleted.
```

Table : Edition

```
DELETE FROM Edition WHERE IdEdit =Ø AND NumLivre = 1;
```

```
| 1 row deleted.
```

Table : Livre

```
DELETE FROM Livre WHERE NumLivre = 1 OR NumLivre = 2;
```

```
| 2 rows deleted.
```

Table : Editeur

```
DELETE FROM Editeur WHERE IdEdit = Ø OR IdEdit=1;
```

```
| 2 rows deleted.
```

Table : Vendeur

```
DELETE FROM Vendeur WHERE NumCompte = Ø;
```

```
| 1 row deleted.
```

Table : Acheteur

```
DELETE FROM Acheteur WHERE Statut IS NOT NULL;
```

```
| 1 row deleted.
```

Table : Personne

```
DELETE FROM Personne WHERE DateInscription IS NOT NULL;
```

```
| 2 rows deleted.
```

