



Faculté de Science de Sfax

Administration de base de données TP

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Compte Rendu

Seance 4 du Tp

A graphic of a spiral-bound notebook with a white page and a red border. The spiral binding is at the top, consisting of ten black rings. The page contains a green circular arrow icon with the number '01' in the center, and a red instruction text below it.

01

**Créer un user
“Etudiant”.**

1) Avant la version 12c on écrit:

→ `create user nom_utilisateur identified by mot_de_passe;`

2) A partir de la version 12c on écrit:

→ `create user c##nom_utilisateur identified by mot_de_passe;`

3) Mon version est 21c:

```
SQL> create user c##etudiant identified by etudiant;  
Utilisateur créé.
```

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02

**Connecter en tant
qu'étudiant.**

1) Avant la version 12c on écrit:

→ connect nom_utilisateur/mot_de_passe

2) A partir de la version 12c on écrit:

→ connect c##nom_utilisateur/mot_de_passe

3) Mon version est 21c:

```
SQL> connect c##etudiant/etudiant
ERROR:
ORA-01045: l'utilisateur C##ETUDIANT n'a pas le privilège CREATE SESSION ;
connexion refusée
```

→ l'administrateur n'a pas donné l'accès de créer une session pour l'utilisateur "etudiant".

→D'abord on doit connecter en tant que administrateur pour vérifier on utilise la commande : SHOW USER.

```
SQL> show user  
USER est ""  
SQL> conn /as sysdba  
Connecté.
```

```
SQL> show user  
USER est "SYS"
```

→Donner l'accès.

```
SQL> grant create session to c##etudiant;  
Autorisation de privilèges (GRANT) acceptée.
```

→Vérification de la connexion.

```
SQL> conn c##etudiant/etudiant  
Connecté.
```

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03

**Afficher le nombre
de colonne de table
dba_users en tant
qu'étudiant.**

```
SQL> select * from dba_users;  
select * from dba_users  
      *  
  
ERREUR Ó la ligne 1 :  
ORA-00942: Table ou vue inexistante
```

→ Les vues statiques "DBA_" ne sont accessibles que pour l'administrateur

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04

**Afficher le nombre
des tables créés et
accessibles en tant
qu'étudiant.**

```
SQL> select * from all_users;
```

```
USERNAME
```

```
-----  
USER_ID CREATED COM O INH
```

```
-----  
DEFAULT_COLLATION
```

```
-----  
IMP ALL EXT
```

```
-----  
SYS
```

```
0 28/09/21 YES Y NO
```

```
USING-NLS_COMP
```

```
NO NO NO
```

```
C##ETUDIANT
```

```
117 07/04/22 YES N NO
```

```
USING-NLS_COMP
```

```
NO NO NO
```

```
45 lignes s'úlectionnÚes.
```

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05

**Afficher le nombre
des tables créés par
utilisateur.**

```
SQL> select * from user_users;
```

USERNAME

USER_ID ACCOUNT_STATUS

LOCK_DAT EXPIRY_D

DEFAULT_TABLESPACE

TEMPORARY_TABLESPACE

LOCAL_TEMP_TABLESPACE

CREATED

INITIAL_RSRC_CONSUMER_GROUP

EXTERNAL_NAME

P COM O INH

DEFAULT_COLLATION

IMP ALL EXT PASSWORD MAN

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06

**Afficher les attributs
qui appartiennent à
user_users en tant
qu'étudiant.**

```
SQL> select * from user_users;
```

```
USERNAME
```

```
-----  
USER_ID ACCOUNT_STATUS
```

```
LOCK_DAT EXPIRY_D
```

```
-----  
DEFAULT_TABLESPACE
```

```
TEMPORARY_TABLESPACE
```

```
-----  
LOCAL_TEMP_TABLESPACE
```

```
CREATED
```

```
-----  
INITIAL_RSRC_CONSUMER_GROUP
```

```
-----  
EXTERNAL_NAME
```

```
-----  
P COM O INH
```

→ On peut interroger les tables
dynamique car elles sont
extraites de la mémoire et non
pas de les tables de base car
elles sont cryptées/codifiées.

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07

**Afficher les attributs
qui appartiennent à
V\$INSTANCE en tant
qu'étudiant.**

```
SQL> select * from v$instance;  
select * from v$instance  
      *  
  
ERREUR Ó la ligne 1 :  
ORA-00911: caractbre non valide
```

→ Les tables dynamique sont
accessible seulement pour les
administrateurs.

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08

**Créer une table qui
contient uniquement
un attribut en tant
qu'étudiant.**

```
SQL> create table test(nom varchar(20));  
create table test(nom varchar(20))
```

```
*
```

```
ERREUR Ó la ligne 1 :  
ORA-01031: privilbges insuffisants
```

```
SQL> conn /as sysdba  
ConnectÚ.
```

```
SQL> grant create table to c##etudiant;
```

```
Autorisation de privilbges (GRANT) acceptÚe.
```

```
SQL> conn c##etudiant/etudiant  
ConnectÚ.
```

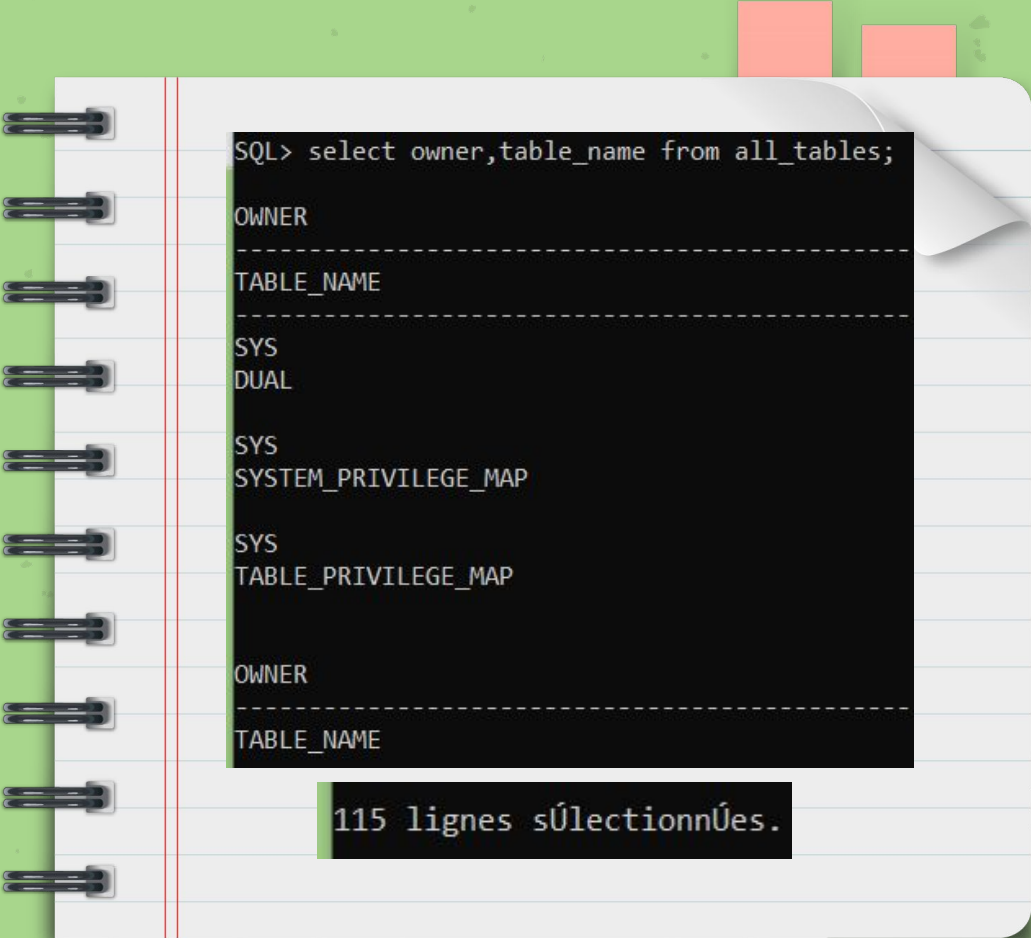
```
SQL> create table test(nom varchar(20));
```

```
Table crÚÚe.
```

A graphic of a spiral-bound notebook with a white page and a red cover, set against a green background. The page has a red border and a red spiral binding at the top. The number 09 is written in the center of the page, enclosed in a red oval. Below the oval, the text "Afficher les noms ,les propriétaires des tables accessibles par l'utilisateur." is written in red.

09

**Afficher les noms
,les propriétaires des
tables accessibles
par l'utilisateur.**



```
SQL> select owner,table_name from all_tables;
```

OWNER

TABLE_NAME

SYS
DUAL

SYS
SYSTEM_PRIVILEGE_MAP

SYS
TABLE_PRIVILEGE_MAP

OWNER

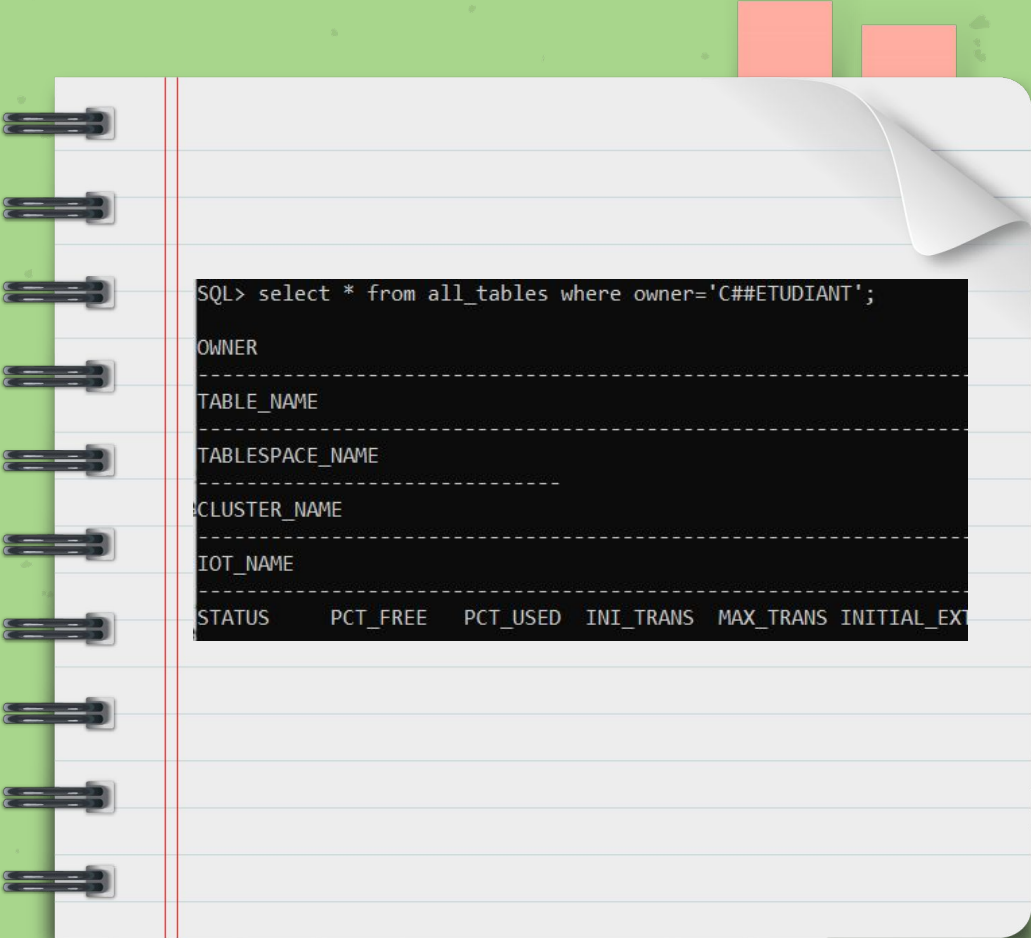
TABLE_NAME

115 lignes sélectionnées.

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10

**Afficher ce qui est
relié à l'utilisateur
“étudiant”.**



```
SQL> select * from all_tables where owner='C##ETUDIANT';
```

```
OWNER
```

```
-----  
TABLE_NAME
```

```
-----  
TABLESPACE_NAME
```

```
-----  
CLUSTER_NAME
```

```
-----  
IOT_NAME
```

```
-----  
STATUS      PCT_FREE  PCT_USED  INI_TRANS  MAX_TRANS  INITIAL_EX
```