Exoplus n°5

Objectifs
     La table dual, le format " date "
Section
     M1104 : IUT Campus 3 - Département « Informatique »
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Références
    1-Pres_TDF.pdf
    2-cours_sql.pdf.
    3-sql_tdf_exercices.pdf

Tester et commenter ces différentes requêtes

1) La table dual

     Exécuter et commenter les requêtes suivantes :

```
-- Exécuter et commenter les requêtes suivantes :
desc dual;
-- dummy = factice
--1.1
select 1 un,2,3,4 from dual;
--1.2
select user from dual;
--1.3
select ' create user ETU1_'||level ||';' valeur from dual connect by level <= 90;
--1.4
select 'chateau' exemple from dual;
--1.5
select 'Monsieur ' || nom as exemple from vt_coureur;
--1.6
select 'chat'||'eau' exemple from dual;
select prenom||' '||nom exemple from vt_coureur where prenom like 'Rob%' or prenom like '%ert';
--1.7
--1.8
select 1 + 3 from dual;
--1.9
select 1 + 3 as resultat from dual;
--1.10
select 1 - 3 as résultat from dual;
--1.11
select 1 / 0 as résultat from dual;
--1.12
select annee,ville_d,ville_a,moyenne from vt_etape where moyenne is null;
select annee,ville_d,ville_a,nvl(moyenne,0) as moy from vt_etape where moyenne is null;
select annee,ville_d,ville_a,nvl(to_char(moyenne),'INCONNUE') as moy
from vt_etape where moyenne is null;
select annee,ville_d,ville_a,nvl(to_char(moyenne),'inconnue') as moy from vt_etape where annee=1996;

select 10 +10+10+ null as résultat from dual;
select 10+10+10 + nvl(null,9) as résultat from dual;
```

2) Le type date

```
--2.1.
select sysdate+10.1 as dater from dual;
select to_char(sysdate+10.1,'dd/mm/yyyy hh24:mi:ss') from dual;
select to_date('2010','yyyy') from dual;

select to_char(sysdate,'dd/mm/yyyy HH24:mi:ss') from dual;
select to_char(sysdate,'dd/mm/yy') from dual;
select to_char(sysdate,'dd') from dual;

--2.2
select to_char(datetape,'dd/mm/yyyy HH:mi:ss') from vt_etape;
select datetape from vt_etape ;

--2.3
select to_char(datetape,'YYYY') +1 from vt_etape;

--2.4
select to_date('15/10/1985','DD/MM/YYYY') from dual;
select to_date('10-15-1985','MM-DD-YYYY') from dual;
select to_char(to_date('10-15-1985','MM-DD-YYYY'),'dd/MM/YYYY') from dual;
```

```sql
select to_date('2005','yyyy') from dual;
select sysdate - to_char(datetape,'dd/mm/yyyy') from vt_etape ;
select sysdate - datetape from vt_etape where annee=2017;
select sysdate - to_date('01/04/1985','dd/mm/yyyy') from dual ;
select round(( sysdate - to_date('01/04/1985','dd/mm/yyyy'))/365,3) as age from dual ;

select to_char(sysdate,'year') from dual ;
select to_char(sysdate,'month') from dual ;
select to_char(sysdate,'day') from dual ;

drop table essaiDate;
create table essaiDate
(
  date1 date,
  date2 timestamp
);
insert into essaiDate values (sysdate,sysdate);
select * from essaiDate;

--2.5
select datetape from vt_etape where n_etape=1 and annee=2017;

--2.6
select datetape from vt_etape where n_etape=21 and annee=2017;
```

3) __Requêtes spéciales__

```sql
select
(
  (select datetape from vt_etape where n_etape=20 and annee=2009)
  -
  (select datetape from vt_etape where n_etape=1 and annee=2009)
)
as nbJours from dual;

select
(
  (select to_number(to_char(datetape,'DD')) from vt_etape where n_etape=20 and annee=2009)
  -
  (select to_number(to_char(datetape,'DD')) from vt_etape where n_etape=1 and annee=2009)
)
as nbJours from dual;
```