**1.creer les tableaus**

drop table eleve;

drop table centre;

drop table niveau;

drop table temps;

DROP TABLE Annee\_tranche;

drop table skitest;

CREATE TABLE Centre

(

Id\_centre int NOT NULL,

PRIMARY KEY (Id\_centre),

centre\_nom varchar(255),

region\_nom varchar(255)

);

CREATE TABLE Niveau

(

Id\_niveau int NOT NULL,

PRIMARY KEY (Id\_niveau),

discipline varchar(255),

niveau\_nom varchar(255)

);

CREATE TABLE Eleve

(

Id\_eleve int NOT NULL,

PRIMARY KEY (Id\_eleve),

nom varchar(255),

prenom varchar(255),

age int,

sexe varchar(255),

nationnalite varchar(255)

);

CREATE TABLE TEMPS

(

Id\_date int NOT NULL,

PRIMARY KEY (Id\_date),

semaine varchar(255),

jour int,

numero int

);

CREATE TABLE Annee\_tranche

(

Id\_tranche\_annee int NOT NULL,

PRIMARY KEY (Id\_tranche\_annee),

tranche\_annee int

);

CREATE TABLE SKITEST

(

Id\_test int NOT NULL,

PRIMARY KEY (Id\_test),

Test\_name varchar(255),

Id\_centre int,

FOREIGN KEY (Id\_centre) REFERENCES CENTRE(Id\_centre),

Id\_niveau int,

FOREIGN KEY (Id\_niveau) REFERENCES NIVEAU(Id\_niveau),

Id\_eleve int,

FOREIGN KEY (Id\_eleve) REFERENCES ELEVE(Id\_eleve),

Id\_date int,

FOREIGN KEY (Id\_date) REFERENCES TEMPS(Id\_date),

Id\_tranche\_annee int,

FOREIGN KEY (Id\_tranche\_annee) REFERENCES Annee\_tranche(Id\_tranche\_annee),

Resultat int

)

create table PASSE\_TEST(

Id\_test int NOT NULL,

PRIMARY KEY (Id\_test),

date\_id numeric(4),

FOREIGN KEY (date\_id) REFERENCES TEMPS(date\_id),

e\_id numeric(5),

FOREIGN KEY (e\_id) REFERENCES eleve(e\_id),

id\_niveau numeric(38),

FOREIGN KEY (id\_niveau) REFERENCES niveau(id\_niveau),

c\_id numeric(3),

FOREIGN KEY (c\_id) references CENTRE(c\_id),

d\_id numeric(1),

FOREIGN KEY (d\_id) REFERENCES discipline(d\_id),

l\_id numeric(4),

FOREIGN KEY (l\_id) REFERENCES lecon(l\_id),

resultat NUMBER(1) not null

);

**2.inserer les donnees dans nos tableaus**

insert into centre(c\_id,c\_nom,c\_numero,c\_rue,c\_ville,c\_code\_postal) select c\_id,c\_nom,c\_numero,c\_rue,c\_ville,c\_code\_postal from sio\_centre;

insert into passe\_test(C\_ID,D\_ID,E\_ID,L\_ID,N\_ID,T\_DATE\_PASSAGE,T\_RESULTAT) select SIO\_PASSE\_TEST.C\_ID,SIO\_NIVEAU.D\_ID,SIO\_PASSE\_TEST.E\_ID,SIO\_SUIT.L\_ID,SIO\_PASSE\_TEST.N\_ID,

SIO\_PASSE\_TEST.T\_DATE\_PASSAGE,SIO\_PASSE\_TEST.T\_RESULTAT from SIO\_NIVEAU FULL JOIN SIO\_PASSE\_TEST ON SIO\_PASSE\_TEST.N\_ID=SIO\_NIVEAU.D\_ID FULL JOIN SIO\_SUIT ON

SIO\_SUIT.E\_ID=SIO\_PASSE\_TEST.E\_ID

insert into passe\_test(C\_ID,D\_ID,E\_ID,L\_ID,N\_ID,T\_DATE\_PASSAGE,T\_RESULTAT) select SIO\_PASSE\_TEST.C\_ID,SIO\_NIVEAU.D\_ID,SIO\_PASSE\_TEST.E\_ID,SIO\_SUIT.L\_ID,SIO\_PASSE\_TEST.N\_ID,

SIO\_PASSE\_TEST.T\_DATE\_PASSAGE,SIO\_PASSE\_TEST.T\_RESULTAT from SIO\_NIVEAU INNER JOIN SIO\_PASSE\_TEST ON SIO\_PASSE\_TEST.N\_ID=SIO\_NIVEAU.D\_ID INNER JOIN SIO\_SUIT ON

SIO\_SUIT.E\_ID=SIO\_PASSE\_TEST.E\_ID

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**3.vider les donnees dans nos tableaus**

delete from centre;

insert into tranche(tranche\_id,tranche) select SEQ\_tranche\_id,c\_code\_postal from sio\_centre;

3.calcul les ages

select floor(MONTHS\_BETWEEN(sysdate,eleve.e\_date\_naiss)/12) as age from eleve

16

12

18

20

25

27

39

30

83

58

17

AGE

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18

20

40

15

12

6

22

10

16

11

16

AGE

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44

10

19

17

30

38

23

16

24

30

20

AGE

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30

18

26

22

32

25

25

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**4.les tranches des ages**

select case when age BETWEEN 10 AND 19 then '10-19'

when age BETWEEN 20 AND 29 then '20-29'

when age BETWEEN 30 AND 39 then '30-39'

when age BETWEEN 40 AND 49 then '40-49'

when age BETWEEN 50 AND 59 then '50-59'

when age < 10 then '<10'

when age > 60 then '>60' end ,

age FROM eleve

CASEW AGE

----- ----------

10-19 16

10-19 12

10-19 18

20-29 20

20-29 25

20-29 27

30-39 39

30-39 30

>60 83

50-59 58

10-19 17

CASEW AGE

----- ----------

10-19 18

20-29 20

40-49 40

10-19 15

10-19 12

<10 6

20-29 22

10-19 10

10-19 16

10-19 11

10-19 16

CASEW AGE

----- ----------

40-49 44

10-19 10

10-19 19

10-19 17

30-39 30

30-39 38

20-29 23

10-19 16

20-29 24

30-39 30

20-29 20

CASEW AGE

----- ----------

30-39 30

10-19 18

20-29 26

20-29 22

30-39 32

20-29 25

20-29 25

40 lignes sélectionnées