**Correction TD SQL Analytique**

**Exercice 1**

1. select decode(grouping\_id( departement, nom),

1, 'sous total departement',

3, 'sous total général',

null

)as sous\_totaux,

departement, nom, count(\*) NB, sum(prix) CA, AVG(prix) moyenne from ventes v, fournisseurs f where v.FOURNISSEUR=f.NOM and v.DATEVENTES>='01-01-2005' group by rollup(departement, nom);

2-select decode(grouping\_id( departement, nom),

1, 'sous total departement',

2, 'sous total fournisseur',

3, 'sous total général',

null

) as sous\_totaux,

departement, nom, count(\*) NB, sum(prix) CA, AVG(prix) moyenne from ventes v, fournisseurs f where v.FOURNISSEUR=f.NOM and v.DATEVENTES>='01-01-2005' group by cube(departement, nom) order by Sous\_totaux;

**Exercice2**

1-select libelle, dte, avg(clo) over ( partition by libelle order by dte rows 4 preceding) moymobile from cotation, action where cotation.ISIN=action.ISIN and libelle='SOCIETE 1';

Remarque: exemple du following:

select dte, clo, avg(clo) over ( partition by libelle order by dte ROWS BETWEEN CURRENT ROW AND 4 FOLLOWING) moymobile from cotation, action where cotation.ISIN=action.ISIN and libelle='SOCIETE 1';

2-select isin, dte, clo, max(clo) over (partition by isin order by dte rows 4 preceding) max5, min(clo) over (partition by isin order by dte rows 4 preceding) min5 from cotation where isin='FR8';

3-select isin, dte, clo, lag(clo,1) over(partition by isin order by dte) veille, lag(clo,2) over(partition by isin order by dte) avantVeille, lead(clo,1) over(partition by isin order by dte) lendemain from cotation where isin='FR1';

4-select isin, dte, stddev((clo-Veille)/veille) over (partition by isin order by dte) volatilite from

(select isin, dte,clo, lag(clo,1) over (partition by isin order by dte) veille from cotation where isin='FR15')order by isin, dte;