Correlated sub queries

SQL query to fetch all employees who are working With ALLEN in the same designation and same department.

select empno,ename,job,deptno from emp where (job,deptno) IN (select job,deptno from emp where ename like 'ALLEN');

SQL query to fetch all employees whose job is equal to Allen job and working in Sales deparment

select empno,ename,job,deptno, (select dname from dept d where d.deptno=e.deptno) as "deptname" from emp e where (job,deptno) IN (select job,(select deptno from dept where dname like 'SALES') from emp where ename like 'ALLEN');

Nested Queries

SQL query to display the below employee information

Empno

Ename

Dname

select empno,ename,(select dname from dept d where d.deptno=e.deptno) from emp e;

Sub queries are used to get the required result by executing certain number of select queries in an order

Nested query is used to get the required associated value from another table.

Views

Q1) Create a view with the employees who are working as SALES MAN.

create or replace view salesmanlist AS select empno,ename,job from emp where job like 'SALESMAN';

Q2) Fetch the list of employees available in the above view

select \* from salesmanlist;