SUB QUERY

**1.Display the service type and hire date for all guards who was hired after guard number 10003.**

SELECT SERVICE\_TYPE , HIRE\_DATE FROM GUARD

WHERE HIRE\_DATE > (SELECT HIRE\_DATE FROM GUARD WHERE GUARD\_ID = 10003 )

**2. Display first name , last name and branch for all supervisor whose branch is same to Nancy's branch.**

SELECT FIRST\_NAME , LAST\_NAME , BRANCH FROM SUPERVISOR

WHERE BRANCH=( SELECT BRANCH FROM SUPERVISOR WHERE FIRST\_NAME= 'Nancy')

**3.Dispiay guard id and salary who earn more than guard number 10003.**

SELECT GUARD\_ID , SALARY\_AMOUNT FROM ACCOUNT

WHERE SALARY\_AMOUNT > (SELECT SALARY\_AMOUNT FROM ACCOUNT WHERE GUARD\_ID=10003

GROUP FUNCTION

**1,Find average, maximum, minimum & summation salary of the guards.**

SQL:

SELECT AVG(SALARY\_AMOUNT), MAX(SALARY\_AMOUNT), MIN(SALARY\_AMOUNT), SUM(SALARY\_AMOUNT) FROM ACCOUNT

**2.Find the number of guards who have salary >10000.**

SQL:

SELECT COUNT(GUARD\_ID) FROM ACCOUNT WHERE SALARY\_AMOUNT > 10000

JOINING

**1. Display the guard id, first name , last name and salary for all guards .**

SQL:

SELECT G.GUARD\_ID , G.FIRST\_NAME ,G.LAST\_NAME, A.SALARY\_AMOUNT FROM GUARD\_INFO G , ACCOUNT A

WHERE G.GUARD\_ID = A.GUARD\_ID

**2. Display onwer id & name of their securit guard company .**

SQL:

SELECT O.OID , S.NAME FROM OWNER O ,SECURITY\_GUARD\_COMPANY S

WHERE O.OID = S.OID

**3. Display Guard id , Manager id & Supervisor id in a single table.**

SQL:

SELECT G.GUARD\_ID , S.MANAGER\_ID , S.SUPERVISOR\_ID FROM SUPERVISOR S , GUARD\_INFO G

WHERE G.SUPERVISOR\_ID=S.SUPERVISOR\_ID

VIEW

**1.Create a view for those guard whose supervisor number 2100001.**

SQL:

CREATE VIEW GUARD\_VIEW

AS SELECT GUARD\_ID,FIRST\_NAME,LAST\_NAME,DOB,ADDRESS,PHONE\_NUMBER,SUPERVISOR\_ID FROM GUARD\_INFO

WHERE SUPERVISOR\_ID=2100001

SINGLE ROW FUNCTION

**1.Find out the length all guards first name and also find the position of 'a' on their first name.**

SQL:

SELECT FIRST\_NAME , LENGTH(FIRST\_NAME) , INSTR(FIRST\_NAME,'a') FROM GUARD\_INFO