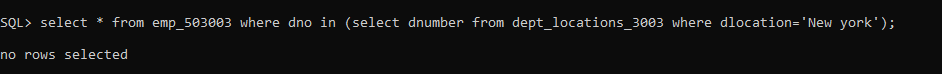
SUB QUERIES

LAB-13!

2022503003

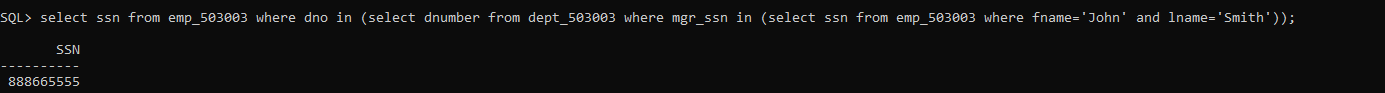


select \* from emp\_503003 where dno in (select dnumber from dept\_locations\_3003 where dlocation='New york');



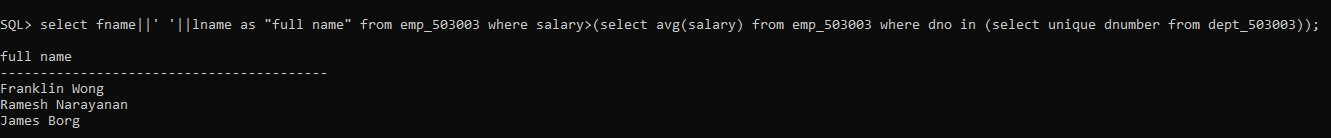


select ssn from emp\_503003 where dno in (select dnumber from dept\_503003 where mgr\_ssn in (select ssn from emp\_503003 where fname='John' and lname='Smith'));





select fname||' '||lname as "full name" from emp\_503003 where salary>(select avg(salary) from emp\_503003 where dno in (select unique dnumber from dept\_503003));



CREATE TABLE PROJECT:

CREATE TABLE project\_503003

( Pname VARCHAR(15) NOT NULL,

Pnumber INT NOT NULL,

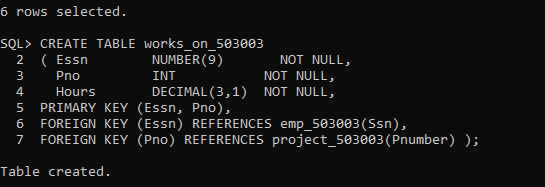
Plocation VARCHAR(15),

Dnum INT NOT NULL,

PRIMARY KEY (Pnumber),

UNIQUE (Pname),

FOREIGN KEY (Dnum) REFERENCES dept\_503003(dnumber) );



INSERT INTO project\_503003

VALUES ('ProductX',1,'Bellaire',5);

INSERT INTO project\_503003

VALUES ('ProductY',2,'Sugarland',5);

INSERT INTO project\_503003

VALUES ('ProductZ',3,'Houston',5);

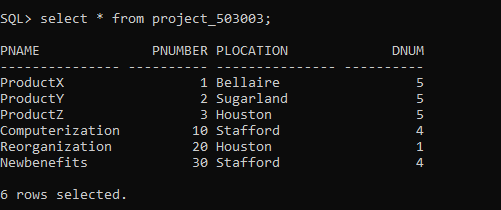
INSERT INTO project\_503003

VALUES ('Computerization',10,'Stafford',4);

INSERT INTO project\_503003

VALUES ('Reorganization',20,'Houston',1);

INSERT INTO project\_503003

VALUES ('Newbenefits',30,'Stafford',4); 

**CREATE TABLE WORKS ON:**

CREATE TABLE works\_on\_503003

( Essn NUMBER(9) NOT NULL,

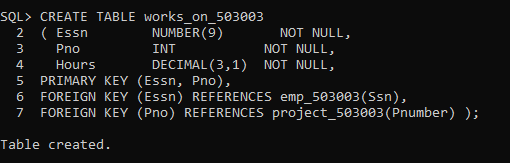
Pno INT NOT NULL,

Hours DECIMAL(3,1) NOT NULL,

PRIMARY KEY (Essn, Pno),

FOREIGN KEY (Essn) REFERENCES emp\_503003(Ssn),

FOREIGN KEY (Pno) REFERENCES project\_503003(Pnumber) );



INSERT INTO works\_on\_503003 VALUES (123456789,1,32.5);

INSERT INTO works\_on\_503003 VALUES (123456789,2,7.5);

INSERT INTO works\_on\_503003 VALUES (666884444,3,40.0);

INSERT INTO works\_on\_503003 VALUES (453453453,1,20.0);

INSERT INTO works\_on\_503003 VALUES (453453453,2,20.0);

INSERT INTO works\_on\_503003 VALUES (333445555,2,10.0);

INSERT INTO works\_on\_503003 VALUES (333445555,3,10.0);

INSERT INTO works\_on\_503003 VALUES (333445555,10,10.0);

INSERT INTO works\_on\_503003 VALUES (333445555,20,10.0);

INSERT INTO works\_on\_503003 VALUES (999887777,30,30.0);

INSERT INTO works\_on\_503003 VALUES (999887777,10,10.0);

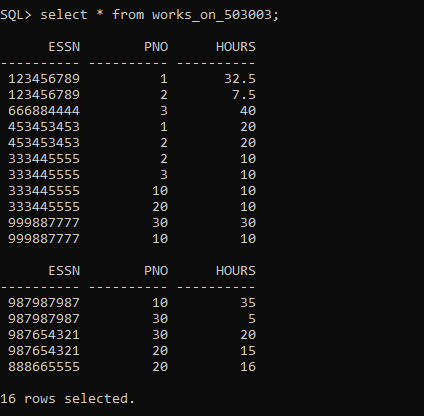
INSERT INTO works\_on\_503003 VALUES (987987987,10,35.0);

INSERT INTO works\_on\_503003 VALUES (987987987,30,5.0);

INSERT INTO works\_on\_503003 VALUES (987654321,30,20.0);

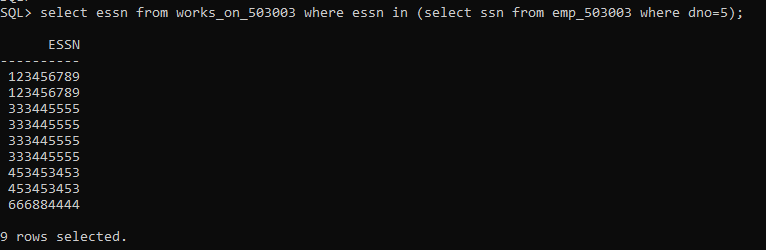
INSERT INTO works\_on\_503003 VALUES (987654321,20,15.0);

INSERT INTO works\_on\_503003 VALUES (888665555,20,16.0);



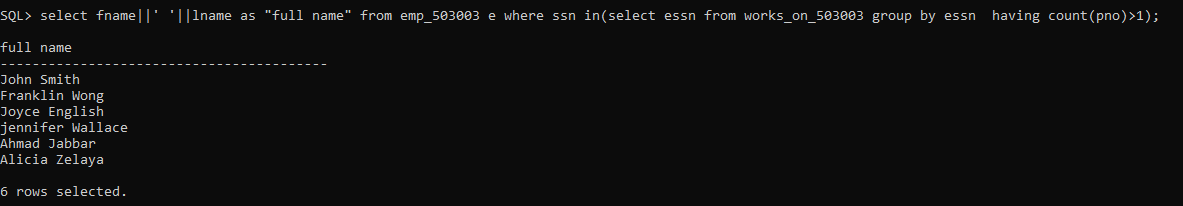


select essn from works\_on\_503003 where essn in (select ssn from emp\_503003 where dno=5);



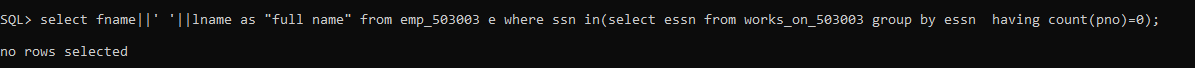


select fname||' '||lname as "full name" from emp\_503003 e where ssn in(select essn from works\_on\_503003 group by essn having count(pno)>1);



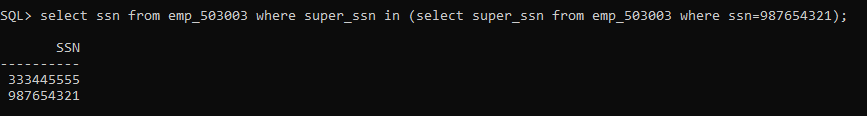


Select ssn from emp\_503003 e where ssn in(select essn from works\_on\_503003 group by essn having count(pno)>1);



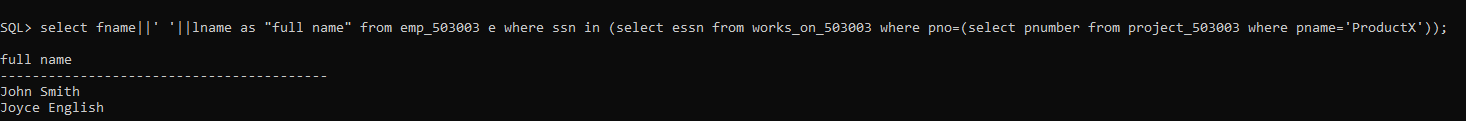


select ssn from emp\_503003 where super\_ssn in (select super\_ssn from emp\_503003 where ssn=987654321);



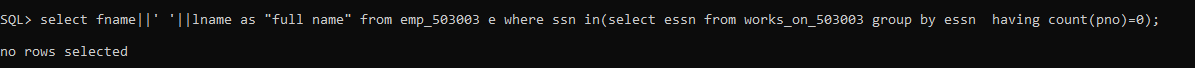


select fname||' '||lname as "full name" from emp\_503003 e where ssn in(select essn from works\_on\_503003 where pno (select pnumber from project\_503003 where pname='ProductX'));



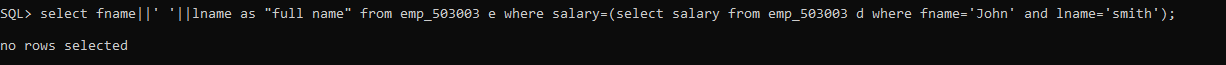


Select ssn from emp\_503003 e where ssn in(select essn from works\_on\_503003 group by essn having count(pno)>1);





select fname||' '||lname as "full name" from emp\_503003 e where salary=(select salary from emp\_503003 d where fname='John' and lname='smith');





select fname||' '||lname as "full name" from emp\_503003 e where salary>(select avg(salary) from emp\_503003);

