

SQL Queries:

WITH appoints (coupleid,date,time) AS (

SELECT A.coupleid, A.date, A.time

FROM midwife M

INNER JOIN appointment A ON M.practitionerid = A.practitionerid

WHERE M.name = 'Marion Girard' AND A.date BETWEEN '2022-03-21' AND '2022-03-25')

SELECT A.date, A.time, M.qchc, M.name, M.phone

FROM Mother M INNER JOIN Couple C ON M.qchc = C.qchc

INNER JOIN appoints A on A.coupleid = C.coupleid;

```
db2 => WITH appoints (coupleid,date,time) AS (
SELECT A.coupleid, A.date, A.time
FROM midwife M
INNER JOIN appointment A ON M.practitionerid = A.practitionerid
WHERE M.name = 'Marion Girard'
AND A.date BETWEEN '2022-03-21' AND '2022-03-25')
SELECT A.date, A.time, M.qchc, M.name, M.phone
FROM Mother M INNER JOIN Couple C ON M.qchc = C.qchc
INNER JOIN appoints A on A.coupleid = C.coupleid;db2 (cont.) => db2 (cont.) => db2 (cont.) => db2 (cont.) => ]
db2 (cont.) => db2 (cont.) => db2 (cont.) => db2 (cont.) =>

DATE          TIME          QCHC          NAME                                PHONE
-----
03/21/2022  15:50:11  xxxx12341234  Victoria Gutierrez                4388888888
03/23/2022  09:00:00  yyyy12341234  Melissa May                        4387788898
03/25/2022  18:15:20  xxxx12341234  Victoria Gutierrez                4388888888

3 record(s) selected.
```

WITH pregID (coupleid,pregnancyNo) AS (

SELECT P.coupleid,P.pregnancyNo

FROM Pregnancy P INNER JOIN Couple C ON C.coupleid = P.coupleid AND P.pregnancyno = '2'

INNER JOIN Mother M ON M.qchc = C.qchc

WHERE M.name = 'Victoria Gutierrez')

SELECT labdate,result

FROM pregID P

INNER JOIN Test T ON T.coupleid = P.coupleid AND T.pregnancyNo = T.pregnancyNo

WHERE type = 'blood iron';

```

db2 => WITH pregID (coupleid,pregnancyNo) AS (
SELECT P.coupleid,P.pregnancyNo
FROM Pregnancy P INNER JOIN Couple C ON C.coupleid = P.coupleid AND P.pregnancyNo = '2'
INNER JOIN Mother M ON M.qchc = C.qchc
WHERE M.name = 'Victoria Gutierrez')
SELECT labdate,result
FROM pregID P
INNER JOIN Test T ON T.coupleid = P.coupleid AND T.pregnancyNo = P.pregnancyNo
WHERE type = 'blood iron';db2 (cont.) => db2 (cont.) => db2 (cont.) => db2 (cont.) => db2 (cont.) => db2 (con
t.) => db2 (cont.) => db2 (cont.) =>

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LABDATE	RESULT
01/08/2022	Low Levels
05/09/2022	Meduim Levels

2 record(s) selected.

```

WITH pregJune (instituteid) AS (
SELECT H.instituteid
FROM pregnancy P JOIN midwife M ON P.primarymidwife = M.practitionerid
INNER JOIN HCInstitute H ON H.instituteid = M.instituteid
WHERE (P.finalduedate BETWEEN '2022-06-01' AND '2022-06-30')
      OR (P.expduedate BETWEEN '2022-06-01' AND '2022-06-30' AND P.finalduedate IS
NULL)
)
SELECT H.name, COUNT(J.instituteid) AS PregnanciesDue
FROM pregJune J RIGHT JOIN HCInstitute H ON H.instituteid = J.instituteid
GROUP BY H.instituteid,H.name
ORDER BY PregnanciesDue DESC
;

```

```

db2 => WITH pregJune (instituteid) AS (
SELECT H.instituteid
FROM pregnancy P JOIN midwife M ON P.primarymidwife = M.practitionerid
INNER JOIN HCinstitute H ON H.instituteid = M.instituteid
WHERE (P.finalduedate BETWEEN '2022-06-01' AND '2022-06-30')
OR (P.expduedate BETWEEN '2022-06-01' AND '2022-06-30' AND P.finalduedate IS NULL)
)
SELECT H.name, COUNT(J.instituteid) AS PregnanciesDue
FROM pregJune J RIGHT JOIN HCinstitute H ON H.instituteid = J.instituteid
GROUP BY H.instituteid,H.name
ORDER BY PregnanciesDue DESC
;db2 (cont.) => db2 (cont.) => db2 (cont.) => db2 (cont.) => db2 (cont.) => db2 (cont.) => db2 (cont.) => db2
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NAME	PREGNANCIESDUE
Lac-Saint-Louis	2
Quebec Centre	1
Baby Home	0
Best Birth Centre	0
Wisdom Centre	0
MTL Community Clinic	0
Quebec Centre 2	0

7 record(s) selected.

```

db2 => █

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-----
WITH inLCL (coupleid,pregnancyno) AS (
    SELECT P.coupleid, P.pregnancyno
    FROM pregnancy P,
        midwife M
        INNER JOIN HCinstitute H ON M.instituteid = H.instituteid AND H.name = 'Lac-Saint-
Louis'
    WHERE P.primarymidwife = M.practitionerid
)
SELECT DISTINCT M.qchc,M.name,M.phone
FROM inLCL L INNER JOIN pregnancy P ON P.coupleid = L.coupleid AND P.pregnancyno =
L.pregnancyno
INNER JOIN couple C ON C.coupleid = P.coupleid
INNER JOIN Baby B on B.coupleid = P.coupleid AND B.pregnancyNo = P.pregnancyNo
INNER JOIN mother M ON M.qchc = C.qchc
WHERE B.birthdate IS NULL
;

```

;

Midwife Information:

```

CREATE VIEW midwifeinfo (practitionerid,name,phone,email,employerName,employerAddress)
AS
(
SELECT M.practitionerid,M.name,M.phone,M.email,H.name,H.address
FROM midwife M INNER JOIN HCInstitute H ON H.instituteid = M.instituteid
);

```

```
db2 => SELECT * FROM midwifeinfo LIMIT 5;
```

PRACTITIONERID	NAME	PHONE	EMAIL	EMPLOYERNAME	EMPLOYERADDRESS
1	Marion Girard	4399999000	mgrirard@lacsaintlouis.ca	Lac-Saint-Louis	1212 Avenue prince
2	Melissa Blake	4399999111	mblake@lacsaintlouis.ca	Lac-Saint-Louis	1212 Avenue prince
3	Miley Morales	4561212777	mileymorales@gmail.com	MTL Community Clinic	1260 Peel
4	Emily Emily	4561233777	emilyemily@gmail.com	MTL Community Clinic	1260 Peel
5	Tracey Tracey	4563333655	traceytracey@gmail.com	Quebec Centre	111 rene leveque

```
[ 5 record(s) selected. ]
```

Check Constraints:

```

db2 => ALTER TABLE test ADD CONSTRAINT labdate
CHECK (labdate >= prescribeddate)
;db2 (cont.) => db2 (cont.) =>
DB20000I The SQL command completed successfully.
db2 => INSERT INTO test (testid,coupleid,pregnancyno,practitionerid,babyid,techid,type,prescribeddate,sampleddate,labdate,result) VALUES
('11','1','2','1',NULL,'1','blood iron',DATE'2022-01-05',DATE'2022-01-05',DATE'2022-01-03','Low Levels');db2 (cont.) =>
DB21034E The command was processed as an SQL statement because it was not a
valid Command Line Processor command. During SQL processing it returned:
SQL0545N The requested operation is not allowed because a row does not
satisfy the check constraint "MELENA1.TEST.LABDATE". SQLSTATE=23513
db2 => █

```