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Please read the back of this document carefully before completing the section below. This form must be attached to the front of all coursework submitted to instructors in the Faculty of Engineering and Computer Science.

Course Number:	COMP-353	Instructor: Khaled Jababo_
Type of Submission (Please	e check off response	es to both a & b)
a. X Report Assignmen	t Lab Report So	oftware
b Individual submission	X Group Submission	(All members of the team must sign below)
Having read both sides of this fo	orm, I certify that I/we	have conformed to the

Having read both sides of this form, I certify that I/we have conformed to the Faculty's expectations of originality and standards of academic integrity.

By GROUP bnc353_2

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EXPECTATIONS OF ORIGINALITY & STANDARDS OF ACADEMIC INTEGRITY

ALL SUBMISSIONS must meet the following requirements:

- 1. The decision on whether a submission is a group or individual submission is determined by the instructor. Individual submissions are done alone and should not be identical to the submission made by any other student. In the case of group submissions, all individuals in the group must be listed on and must sign this form prior to its submission to the instructor.
- 2. All individual and group submissions constitute original work by the individual(s) signing this form. 3. Direct quotations make up a very small proportion of the text, i.e., not exceeding 5% of the word count. 4. Material paraphrased from a source (e.g., print sources, multimedia sources, web-based sources, course notes or personal interviews) has been identified by a numerical reference citation.
- 5. All of the sources consulted and/or included in the report have been listed in the Reference section of the document.
- 6. All drawings, diagrams, photos, maps or other visual items derived from other sources have been identified by numerical reference citations in the caption.
- 7. No part of the document has been submitted for any other course.
- 8. Any exception to these requirements are indicated on an attached page for the

instructor's review REPORTS and ASSIGNMENTS must also meet the following

additional requirements:

- A report or assignment consists entirely of ideas, observations, information and conclusions composed by the student(s), except for statements contained within quotation marks and attributed to the best of the student's/students' knowledge to their proper source in footnotes or references.
- 2. An assignment may not use solutions to assignments of other past or present students/instructors of this course or of any other course.
- 3. The document has not been revised or edited by another student who is not an author. 4. For reports, the guidelines found in <u>Form and Style</u>, by Patrick MacDonagh and Jack Borden (Fourth Edition: May 2000, available at http://www.encs.concordia.ca/scs/Forms/Form&Style.pdf) have been used for this submission.

LAB REPORTS must also meet the following requirements:

1. The data in a lab report represents the results of the experimental work by the student(s), derived only from the experiment itself. There are no additions or modifications derived from any outside source. 2. In preparing and completing the attached lab report, the labs of other past or present students of this course or any other course have not been consulted, used, copied, paraphrased or relied upon in any manner whatsoever.

SOFTWARE must also meet the following requirements:

- 1. The software represents independent work of the student(s).
- 2. No other past or present student work (in this course or any other course) has been used in writing this software, except as explicitly documented.
- 3. The software consists entirely of code written by the undersigned, except for the use of functions and libraries in the public domain, all of which have been documented on an attached page. 4. No part of the software has been used in previous submissions except as identified in the documentation. 5. The documentation of the software includes a reference to any component that the student(s) did not write. 6. All of the sources consulted while writing this code are listed in the documentation.

Warm Up Project

A Report Presented to The Department of Computer Science and Software Engineering

Concordia University

In Partial Fulfillment of the Requirements
Of COMP 353

By bnc353_2

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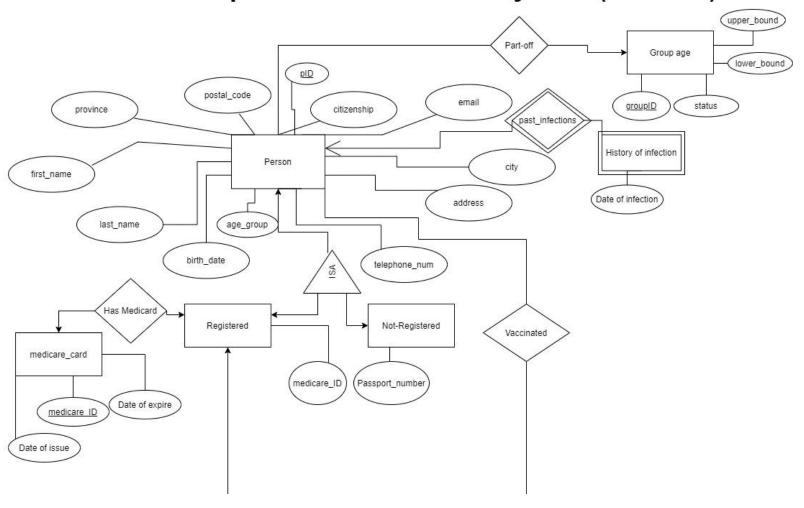
Concordia University October 12, 2021

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1. Design

COVID-19 Population Vaccination System (C19PVS)



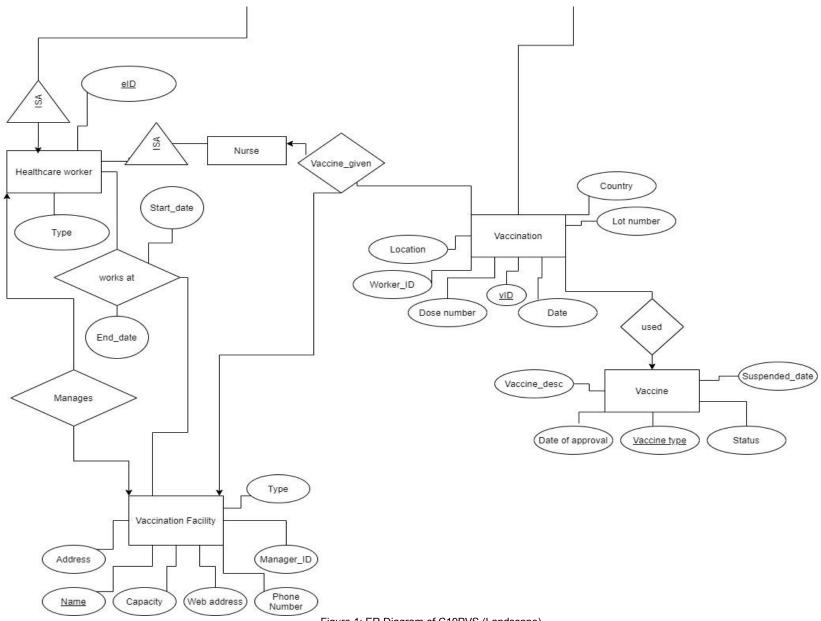


Figure 1: ER Diagram of C19PVS (Landscape)

COVID-19 Population Vaccination System (C19PVS)

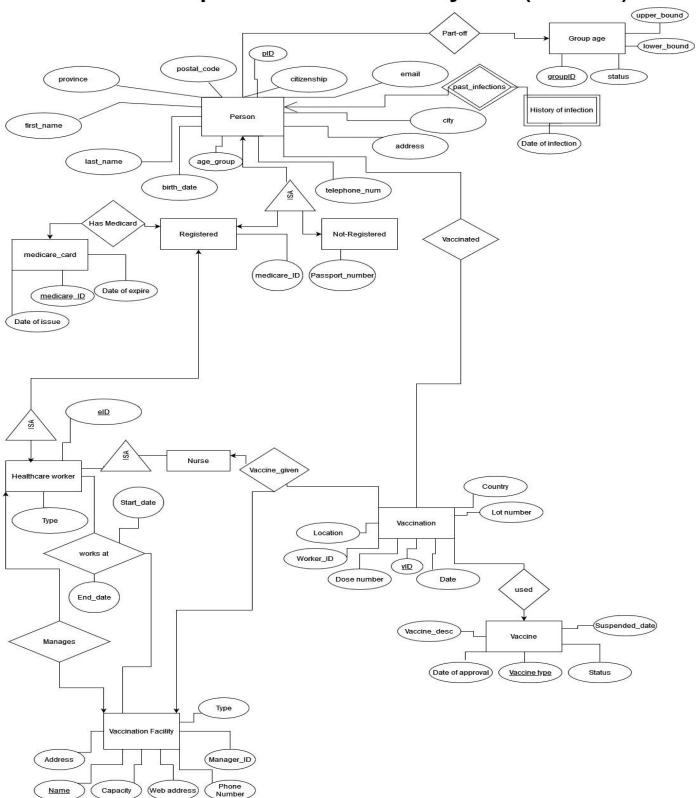


Figure 2: ER Diagram of C19PVS (portrait)

2. SQL Database Creation

2.1 Person

```
CREATE TABLE IF NOT EXISTS Person(
pID
            INT
                              NOT NULL
                                          AUTO_INCREMENT,
firstName
           VARCHAR(100)
                              NOT NULL,
lastName
           VARCHAR(100)
                              NOT NULL,
dob
            Date
                              NOT NULL,
telNum
           VARCHAR(14)
                              NOT NULL,
address
           VARCHAR(100)
                              NOT NULL,
city
           VARCHAR(100)
                              NOT NULL,
            ENUM('AB', 'BC', 'MB', 'NB', 'NL', 'NT', 'NS', 'NU', 'ON',
province
                 'PE', 'QC', 'SK', 'YT')
                                           NOT NULL,
                              NOT NULL,
postalCode VARCHAR(6)
citizenship VARCHAR(100)
                              NOT NULL,
email
           VARCHAR(100)
                              NOT NULL,
                              NULL,
ageGroup
            INT
PRIMARY KEY (pID),
FOREIGN KEY (ageGroup) REFERENCES groupAge (groupID)
        ON DELETE SET NULL ON UPDATE CASCADE
);
```

2.2 Registered-Person

```
CREATE TABLE IF NOT EXISTS Registered(
pID INT NOT NULL,
medicareID INT,
PRIMARY KEY (medicareID),
FOREIGN KEY (pID) REFERENCES Person(pID)
ON DELETE CASCADE ON UPDATE CASCADE,
FOREIGN KEY (medicareID) REFERENCES MedicareCard(medicardID)
ON DELETE CASCADE ON UPDATE CASCADE
);
```

2.3 Unregistered-Person

```
CREATE TABLE IF NOT EXISTS NotRegistered (
pID INT NOT NULL,
passNum VARCHAR(255),
PRIMARY KEY (passNum),
FOREIGN KEY (pID) REFERENCES Person(pID)
ON DELETE CASCADE ON UPDATE CASCADE
);
```

2.4 Public Health Worker

2.5 Medicare_Card

```
CREATE TABLE IF NOT EXISTS MedicareCard(
medicardID INT,
doissue DATE NOT NULL,
doexpire DATE NOT NULL,
PRIMARY KEY (medicardID)
);
```

2.6 Vaccination

```
CREATE TABLE IF NOT EXISTS Vaccination (
                              NOT NULL
VID
            INT
                                          AUTO INCREMENT,
pID
            INT
                              NOT NULL,
location
           VARCHAR(100)
                              NOT NULL,
                              NULL,
eID
            INT
            VARCHAR(50)
                              NOT NULL,
type
country
            CHAR(3)
                              NOT NULL
                                          DEFAULT 'CAN',
lotNum
                              NOT NULL,
            INT
doseNumber INT
                              NOT NULL,
date
                              NOT NULL,
            DATE
PRIMARY KEY (VID),
FOREIGN KEY (pID) REFERENCES Person(pID)
        ON DELETE CASCADE ON UPDATE CASCADE,
FOREIGN KEY (eID) REFERENCES PublicHealthWorker(eID)
        ON DELETE SET NULL ON UPDATE CASCADE,
FOREIGN KEY (type) REFERENCES Vaccine(name)
        ON DELETE RESTRICT ON UPDATE CASCADE
);
```

2.7 Vaccination_Facility

```
CREATE TABLE IF NOT EXISTS Facility (
name
            VARCHAR(100),
address
            MEDIUMTEXT
                                    NOT NULL,
citv
           VARCHAR(100)
                                    NOT NULL,
            ENUM('AB', 'BC', 'MB', 'NB', 'NL', 'NT', 'NS', 'NU', 'ON',
province
                 'PE', 'QC', 'SK', 'YT') NOT NULL,
postalCode VARCHAR(6)
                                    NOT NULL,
phone
            VARCHAR(14)
                                    NOT NULL,
web
            VARCHAR(100)
                                    NOT NULL,
            ENUM('hospital', 'clinic', 'special') NOT NULL,
type
capacity
                                    NOT NULL,
            INT
managerID
            INT
                                    NULL,
PRIMARY KEY (name),
FOREIGN KEY (managerID) REFERENCES PublicHealthWorker(eID)
        ON DELETE SET NULL ON UPDATE CASCADE
);
```

2.8 Works_At

```
CREATE TABLE IF NOT EXISTS WorksAt (
                                    NOT NULL,
facilityName
                  VARCHAR(50)
                                    NOT NULL,
startDate
                                    NOT NULL,
                  DATE
endDate
                  DATE
                                    NOT NULL,
FOREIGN KEY (eID) REFERENCES PublicHealthWorker(eID)
        ON DELETE CASCADE ON UPDATE CASCADE,
FOREIGN KEY (facilityName ) REFERENCES Facility(name)
        ON DELETE CASCADE ON UPDATE CASCADE,
PRIMARY KEY (eID, facilityName)
);
```

2.9 Approved_Vaccines

2.10 Group_Age

```
CREATE TABLE IF NOT EXISTS GroupAge (
groupID INT NOT NULL,
status BOOLEAN NOT NULL,
lowerBound INT NOT NULL,
upperBound INT NOT NULL,
PRIMARY KEY (groupID)
);
```

2.11 Infection_History

```
CREATE TABLE IF NOT EXISTS covidhistory (
personID INT NOT NULL,
dateOfInfection DATE NOT NULL,
PRIMARY KEY (personID, dateOfInfection),
FOREIGN KEY (personID ) REFERENCES Person(pID)
ON DELETE CASCADE ON UPDATE CASCADE
);
```

3. SQL Queries

3.1 Query 1

Get details by province of all the people who got vaccinated at least one dose and are of group ages 2 to 10 (first-name, last-name, date of birth, Medicare number if applicable, Passport number if applicable, email, phone, city, date of vaccination, vaccination type, been infected by COVID-19 before or not).

```
SELECT p.firstName, p.lastName, p.dob,
      (SELECT medicareID FROM Registered r WHERE r.pID = p.pID) as
'Medicare number',
      (SELECT passNum FROM NotRegistered nr WHERE nr.pID = p.pID) as
'Passport number',
      p.email, p.telNum as phone, p.city,
      v.`date` as 'vaccination date', v.`type` as 'type of vaccination',
      (
            SELECT
                  CASE WHEN EXISTS
                        SELECT * FROM covidhistory c
                        WHERE c.personID = p.pID
                  THEN 'TRUE'
                  ELSE 'FALSE'
            END
      ) as 'been infected by COVID-19'
FROM Person p, Vaccination v
WHERE p.pID = v.pID
AND (ageGroup BETWEEN 2 AND 10)
AND v.doseNumber = 1
AND p.province = 'QC';
```

British Columbia (BC):

firstName	lastName	dob	Medicare number	Passport number	email	phone	city	vaccination date	type of vaccination	been infected by COVID-19
Carlos	Vans	2010-05-15	19	NULL	cv@gmail.com	8123771787	Vancouver	2021-07-21	Moderna	TRUE
Neill	Haley	1993-01-01	NULL	1	nh@gmail.com	8691236655	Vancouver	2021-06-11	Pfizer	TRUE
Micheal	Brabhams	1976-03-12	HULL	3	mb@gmail.com	8129120123	Vancouver	2021-07-09	Moderna	TRUE

Alberta (AB):

firstName	lastName	dob	Medicare number	Passport number	email	phone	city	vaccination date	type of vaccination	been infected by COVID-19
Albert	Albertson	1950-12-01	15	NULL	aa@gmail.com	8125719521	Calgary	2021-05-19	Moderna	TRUE

^{**} p.province in the where clause is the only element that will change for all query.

Saskatchewan (SK):

firstName	lastName	dob	Medicare number	Passport number	email	phone		city	vaccination date		type of vaccination	been infected by COVID-19
Rei	Williams	1960-05-23	14	NULL	rw@gmail.com	819031	2346	Saskatoon	2021-05-21		Pfizer	FALSE
Manito	ba (M	B):										
firstName	lastNan	ne dob	Medicare number	Passport number	email	phone	city	vaccin date	ation	type	e of cination	been infected by COVID-19
New B	runsw	ick (NE	3):									
firstName	lastNan	ne dob	Medicare number	Passport number	email	phone	city	vaccin date	ation	type	e of cination	been infected by COVID-19
Newfo	undlar	nd and	Labrador	(NL):								
firstName	lastNan	ne dob	Medicare number	Passport number	email	phone	city	vaccin date	ation	type vac	of cination	been infected by COVID-19
Nova S	cotia	(NS):										
firstName	lastNan	ne dob	Medicare number	Passport number	email	phone	city	vaccin date	ation	type	of cination	been infected by COVID-19
Prince	Edwa	rd Isla	nd (PE):									
firstName	lastNan	ne dob	Medicare number	Passport number	email	phone	city	vaccin date	ation	type	of cination	been infected by COVID-19
Ontario	o (ON)	:										
firstName	lastName	dob	Medicare number	Passport number	email	phone	:	city	vaccination date		type of vaccination	been infected b COVID-19
Mark	Nate	1990-05-12	21	HULL	pp@gmail.com	81291	20123	Toronto	2021-06-14		Moderna	TRUE
Patricia	Johnson	2017-01-01	20	HULL	pj@gmail.com	84234	59900	Ottawa	2021-04-28		JohnsonNJohnson	FALSE
Quebe	c (QC)):										

ph@gmail.com

rr@gmail.com

cy@gmail.com

Passport number

NULL

Medicare number

18

11 NULL

2005-07-23

1990-01-01

2017-10-26

firstName lastName

Henry

Rabbit

York

Patrick

Roger

Carol

been infected by COVID-19

FALSE

TRUE

TRUE

vaccination date

2021-06-15

2020-06-25

2020-09-24

city

Montreal

Montreal

8546345123 Quebec City

8181293232

1112223333

type of vaccination

Pfizer

Pfizer

Pfizer

3.2 Query 2

Get details by province of all the people of 18 years of age and older that are registered with the public care system and have never been vaccinated (first-name, last-name, date of birth, email, phone, city, been infected by COVID-19 before or not).

firstName	lastName	dob	email	telNum	city	covidHistory
Но	Lee	1941-03-01	hlee@gmail.com	4381234441	Toronto	FALSE
Ken	Tucky	1969-01-01	kfcfan@gmail.com	5145554444	Montreal	FALSE
Mark	Nate	1990-05-12	pp@gmail.com	8129120123	Toronto	TRUE
Eric	Воор	1945-12-25	eb@gmail.com	9123461232	Quebec City	TRUE
Jay	Jameson	1940-02-12	jj@gmail.com	9012839591	Edmonton	FALSE
Albert	Albertson	1950-12-01	aa@gmail.com	8125719521	Calgary	TRUE
Rei	Williams	1960-05-23	rw@gmail.com	8190312346	Saskatoon	FALSE
Mark	Gutierrez	1970-11-12	mg@gmail.com	5236431111	Vancouver	TRUE
Jen	Siro	1980-05-01	js@gmail.com	1233212211	Toronto	FALSE
Roger	Rabbit	1990-01-01	rr@gmail.com	1112223333	Montreal	TRUE

3.3 Query 3

Get details of all the Vaccination facilities in Québec (name, address, phone number, web address, type, capacity, manager's first name and last name, total number of employees and total number of nurses).

```
SELECT Facility.name, Facility.address, Facility.phone,
Facility.web, Facility.type, Facility.capacity, Person.firstName,
Person.lastName,
SELECT COUNT(WorksAt.eID)
FROM WorksAt
WHERE WorksAt.facilityName = Facility.name
) AS NumberOfEmployees,
SELECT COUNT(WorksAt.eID)
FROM WorksAt, PublicHealthWorker nurse
WHERE WorksAt.facilityName = Facility.name
AND nurse.eID = WorksAt.eID
AND nurse.type = 'nurse'
) AS NumberOfNurses
FROM Facility, PublicHealthWorker manager, Person
WHERE Facility.managerID = manager.eID
      AND Person.pID = manager.pID AND Facility.province = 'QC';
```

name	address	phone	web	type	capacity	firstName	lastName	NumberOfEmployees	NumberOfNurses
Bank Hospital	Tin Street	8812391238	www.bankhospital.com	hospital	10	Vincent	Kane	1	0
J General Hospital	Blvd. St. Laurent	8672316641	www.jgeneralhospital.com	hospital	50	Roger	Rabbit	7	4
Pharmaprix 1	rue Jean-Talon	8767712233	www.pharmaprixjt.com	dinic	2	Mark	Gutierrez	2	1
Pharmaprix 2	rue de Salaberri	8787812354	www.pharmaprixrs.com	dinic	2	Mark	Nate	2	1
R General Hospital	Mountain Street	7627542233	www.rgeneralhospital.com	hospital	20	Jen	Siro	1	0
Zen Clinic	Woodland District	8912371231	www.zendinic.com	dinic	3	Bane Tracy	Parking	1	0

3.4 Query 4

Get details of all the people who got vaccinated in Québec and are not registered with the public health care system (first-name, last-name, date of birth, email, phone, citizenship, date of vaccination, vaccination type, been infected by COVID-19 before or not).

```
SELECT firstName, lastName, dob, email, telNum, citizenship,
      LTRIM(V.date) as 'vaccination date', V.type as 'vaccination type',
      (SELECT CASE WHEN EXISTS
               (SELECT * FROM covidhistory
                WHERE personID = P.pID)
                THEN 'TRUE' ELSE 'FALSE' END
       ) as 'covidHistory'
FROM NotRegistered NR, Person P, Vaccination V, Facility F
WHERE NR.pID = P.pID AND NR.pID = V.pID AND V.location = F.name
        AND F.province = 'QC';
   ABC firstName TI ABC lastName TI Odob TI ABC email
                                            T$ ABC telNum T$ ABC citizenship T$ ABC vaccination date T$ ABC vaccination type T$ ABC covidHistory T$
   Carol
               York
                          2017-10-26 cy@gmail.com 8546345123
                                                        Canadian
                                                                     2020-09-24
                                                                                    ☑ Pfizer
2
   Neill
               Haley
                          1993-01-01 nh@gmail.com 8691236655 Canadian
                                                                     2021-06-11
                                                                                    ☑ Pfizer
                                                                                                    TRUE
                          1980-11-23 kb@gmail.com 8912391232 Canadian
   Kiara
                                                                     2021-07-25
                                                                                    ☑ Moderna
                                                                                                    FALSE
               Brabhams
4 Micheal
                          1976-03-12 mb@gmail.com 8129120123 Canadian
                                                                     2021-07-09
                                                                                                    TRUE
               Brabhams
                                                                                    Moderna Moderna
```

3.5 Query 5

Get details of all the nurses that have never been vaccinated with any type of COVID-19 vaccination.

```
SELECT DISTINCT firstName, lastName, dob, email, telNum, city
FROM Person P, PublicHealthWorker nurse
WHERE nurse.pID NOT IN (SELECT pID FROM Vaccination) AND nurse.type =
'nurse' AND nurse.pID = P.pID;
```

firstName	lastName	dob	email	telNum	city
Ken	Tucky	1969-01-01	kfcfan@gmail.com	5145554444	Montreal
Но	Lee	1941-03-01	hlee@gmail.com	4381234441	Toronto

3.6 Query 6

Provide three different reports of vaccination for three different people: one person with no vaccination, one person with one dose COVID-19 vaccination, and one person with two doses of COVID-19 vaccination and one positive COVID-19 infection. The report for every person should include the first name, last name, date of birth, the number of doses taken, and the number of positive COVID-19 diagnoses.

A person with no vaccination

```
SELECT Person.firstName, Person.lastName, Person.dob,

(
SELECT COUNT(covidhistory.personID)
FROM covidhistory
WHERE covidhistory.personID = Person.pID
) AS NumberOfInfections,

(
SELECT COALESCE(MAX(Vaccination.doseNumber),0)
FROM Vaccination
Where Vaccination.pId = Person.pID
) AS NumberOfDoses

FROM Person
WHERE Person.firstName = 'Jen' AND Person.lastName = 'Siro';
```

	firstName	lastName	dob	NumberOfInfections	NumberOfDoses
•	Jen	Siro	1980-05-01	0	0

A person with one dose

```
SELECT Person.firstName, Person.lastName, Person.dob,
(
SELECT COUNT(covidhistory.personID)
FROM covidhistory
WHERE covidhistory.personID = Person.pID
) AS NumberOfInfections,

(
SELECT COALESCE(MAX(Vaccination.doseNumber),0)
FROM Vaccination
Where Vaccination.pId = Person.pID
) AS NumberOfDoses

FROM Person
WHERE Person.firstName = 'Jay' AND Person.lastName = 'Jameson';
```

	firstName	lastName	dob	NumberOfInfections	NumberOfDoses
•	Jay	Jameson	1940-02-12	0	1

A person with two doses and one positive infection

```
SELECT Person.firstName, Person.lastName, Person.dob,
(
SELECT COUNT(covidhistory.personID)
FROM covidhistory
WHERE covidhistory.personID = Person.pID
) AS NumberOfInfections,
(
SELECT COALESCE(MAX(Vaccination.doseNumber),0)
FROM Vaccination
Where Vaccination.pId = Person.pID
) AS NumberOfDoses

FROM Person
WHERE Person.firstName = 'Carlos' AND Person.lastName = 'Vans';
```

	firstName	lastName	dob	NumberOfInfections	NumberOfDoses
•	Carlos	Vans	2010-05-15	1	2

3.7 Query 7

Provide a description of all the vaccinations used in Québec (Name of the vaccination, date of approval of the vaccination, status of the vaccination, total number of people vaccinated with the vaccination).

```
SELECT DISTINCT Vaccine.name, Vaccine.approvalDate, Vaccine.status,
(
SELECT COUNT(DISTINCT Vaccination.pID)
FROM Vaccination
WHERE Vaccination.type = Vaccine.name
) AS NumberOfPeopleVaccinated

FROM Vaccine, Vaccination, Facility
WHERE Vaccine.name = Vaccination.type
AND Vaccination.location = Facility.name
AND Facility.province = 'QC';
```

name	approvalDate	status	NumberOfVaccinatedPeople
Pfizer	2021-04-12	SAFE	7
Moderna	2021-04-23	SAFE	6
JohnsonNJohnson	2021-06-02	SAFE	2

3.8 Query 8

For a given location, provide a report by the nurse indicating the nurse's first name, last name, the start date of work, and the number of vaccinations given by the nurse.

Using location 'J General Hospital'

```
SELECT Person.firstName, Person.lastName, WorksAt.startDate,
(
SELECT Count(Vaccination.vID)
FROM Vaccination
Where Vaccination.eId = WorksAt.eID
         AND WorksAt.eId = phw.eID
         AND Vaccination.location = 'J General Hospital'
) AS NumberOfVaccinations

FROM WorksAt, Person
LEFT JOIN PublicHealthWorker phw
ON phw.pID = Person.pID
Where WorksAt.eId = phw.eID
         AND phw.type = 'nurse'
         AND WorksAt.facilityName = 'J General Hospital';
```

firstName	lastName	startDate	NumberOfVaccinations
Rei	Williams	2020-06-15	2
Patrick	Henry	2017-06-17	2
Carlos	Vans	2014-10-30	1
Patricia	Johnson	2017-11-20	1

3.9 Query 9

Provide a report of people who got vaccinated by the city in all the cities in the province of Québec. The report should include the city name and the number of people vaccinated in each city.

**We assumed that vaccinated meant 1 dose and that a person would not be counted twice in the same city.

```
SELECT f.city, COALESCE(COUNT(DISTINCT v.pID), 0) as 'number of vaccinated' FROM Facility f, Vaccination v
WHERE f.province = 'QC' AND v.location = f.name
GROUP BY f.city;
```

city	number of vaccinated
Gatineau	1
Montreal	10
Quebec City	1

4. Populate Database

Person:

```
INSERT INTO Person(pID, firstName, lastName, dob, ageGroup, city, province, email,
postalCode, telNum, citizenship, address)
VALUES
    (26, 'Roger', 'Rabbit', '1990-01-01', 6, 'Montreal', 'QC', 'rr@gmail.com',
'h4e2r2', 1112223333, 'Canadian', '4421 Tune Streeet'),
    (27, 'Jen', 'Siro', '1980-05-01', 5, 'Toronto', 'ON', 'js@gmail.com',
't4y4e3', 1233212211, 'Canadian', '8712 West Street'),
    (28, 'Mark', 'Gutierrez', '1970-11-12', 4, 'Vancouver', 'BC', 'mg@gmail.com',
't4y4e3', 5236431111, 'Canadian', '9091 East Street'),
    (29, 'Rei', 'Williams', '1960-05-23', 3, 'Saskatoon', 'SK', 'rw@gmail.com',
'o7r3h4', 8190312346, 'Canadian', '6566 Bay Street'),
    (30, 'Albert', 'Albertson', '1950-12-01', 2, 'Calgary', 'AB', 'aa@gmail.com',
't3y3v1', 8125719521, 'Canadian', '8541 Ink Street'),
    (31, 'Jay', 'Jameson', '1940-02-12', 1, 'Edmonton', 'AB', 'jj@gmail.com',
'k1h2f3', 9012839591, 'Canadian', '8123 Big Street'),
    (32, 'Eric', 'Boop', '1945-12-25', 2, 'Quebec City', 'QC', 'eb@gmail.com',
'o1o2p3', 9123461232, 'Canadian', '1920 Jay Street'),
    (33, 'Patrick', 'Henry', '2005-07-23', 8, 'Montreal', 'QC', 'ph@gmail.com',
'h7y3e2', 8181293232, 'Canadian', '8800 North Street'),
    (34, 'Carlos', 'Vans', '2010-05-15', 9, 'Vancouver', 'BC', 'cv@gmail.com',
'm2m4k1', 8123771787, 'Canadian', '1283 Henry Street'),
    (35, 'Patricia', 'Johnson', '2017-01-01', 10, 'Ottawa', 'ON', 'pj@gmail.com',
'h4e2r2', 8423459900, 'Canadian', '2181 Long Street'),
    (36, 'Neill', 'Haley', '1993-01-01', 7, 'Vancouver', 'BC', 'nh@gmail.com',
'k118k2', 8691236655, 'Canadian', '8961 Kay Street'),
    (37, 'Kiara', 'Brabhams', '1980-11-23', 5, 'Toronto', 'ON', 'kb@gmail.com',
'n1g2u8', 8912391232, 'Canadian', '7123 Bench Street'),
    (38, 'Micheal', 'Brabhams', '1976-03-12', 5, 'Vancouver', 'BC',
'mb@gmail.com', 'l7o1j2', 8129120123, 'Canadian', '1723 York Street'),
    (39, 'Mick', 'Taylor', '1964-03-12', 4, 'Edmonton', 'AB', 'mt@gmail.com',
'y2e2d2', 8181235641, 'Canadian', '6541 Jersey Street'),
    (40, 'Amelia', 'Hunt', '1990-11-04', 6, 'Vancouver', 'BC', 'ah@gmail.com',
't4e3s9', 8681930011, 'Canadian', '7659 Short Street'),
    (41, 'Jane', 'Mark', '1992-12-24', 7, 'Calgary', 'AB', 'jm@gmail.com',
'k7h4d2', 8613210011, 'Canadian', '9120 Kit Street'),
    (42, 'Carol', 'York', '2017-10-26', 10, 'Quebec City', 'QC', 'cy@gmail.com',
'j5g4d3', 8546345123, 'Canadian', '9345 Mint Street'),
    (43, 'George', 'Vane', '2020-05-13', 10, 'Vancouver', 'BC', 'gv@gmail.com',
'h4f2s2', 8456412359, 'Canadian', '9891 Rent Street'),
    (44, 'Ben', 'Eleven', '2005-03-12', 8, 'Montreal', 'QC', 'be@gmail.com',
```

```
'17o1j2', 8612356788, 'Canadian', '7563 Gen Street'),
   (45, 'Peter', 'Parking', '1990-05-12', 6, 'Toronto', 'ON', 'pp@gmail.com',
'1701j2', 8129120123, 'Canadian', '1723 York Street'),
   (46, 'Mark', 'Nate', '1990-05-12', 6, 'Toronto', 'ON', 'pp@gmail.com',
'1701j2', 8129120123, 'Canadian', '1723 York Street'),
   (47, 'Jane', 'King', '1990-05-12', 6, 'Toronto', 'ON', 'pp@gmail.com',
'1701j2', 8129120123, 'Canadian', '1723 York Street'),
   (48, 'Karen', 'Vine', '1990-05-12', 6, 'Toronto', 'ON', 'pp@gmail.com',
'1701j2', 8129120123, 'Canadian', '1723 York Street'),
   (49, 'Vincent', 'Kane', '1990-05-12', 6, 'Toronto', 'ON', 'pp@gmail.com',
'17o1j2', 8129120123, 'Canadian', '1723 York Street'),
   (50, 'Bane Tracy', 'Parking', '1990-05-12', 6, 'Toronto', 'ON',
'pp@gmail.com', '17o1j2', 8129120123, 'Canadian', '1723 York Street'),
   (51, 'Ken', 'Tucky', '1969-01-01', 4, 'Montreal', 'QC', 'kfcfan@gmail.com',
'h1p2s2', 5145554444, 'Canadian', '3412 Chicken Street'),
   (52, 'Ho', 'Lee', '1941-03-01', 1, 'Toronto', 'ON', 'hlee@gmail.com',
's4e1n1', 4381234441, 'Canadian', '4516 Happy Street');
```

pID	firstName	lastName	dob	telNum	address	city	province	postalCode	citizenship	email	ageGrou
26	Roger	Rabbit	1990-01-01	1112223333	4421 Tune Streeet	Montreal	QC	h4e2r2	Canadian	rr@gmail.com	6
27	Jen	Siro	1980-05-01	1233212211	8712 West Street	Toronto	ON	t4y4e3	Canadian	js@gmail.com	5
28	Mark	Gutierrez	1970-11-12	5236431111	9091 East Street	Vancouver	BC	t4y4e3	Canadian	mg@gmail.com	4
29	Rei	Williams	1960-05-23	8190312346	6566 Bay Street	Saskatoon	SK	o7r3h4	Canadian	rw@gmail.com	3
30	Albert	Albertson	1950-12-01	8125719521	8541 Ink Street	Calgary	AB	t3y3v1	Canadian	aa@gmail.com	2
31	Jay	Jameson	1940-02-12	9012839591	8123 Big Street	Edmonton	AB	k1h2f3	Canadian	jj@gmail.com	1
32	Eric	Воор	1945-12-25	9123461232	1920 Jay Street	Quebec City	QC	o1o2p3	Canadian	eb@gmail.com	2
33	Patrick	Henry	2005-07-23	8181293232	8800 North Street	Montreal	QC	h7y3e2	Canadian	ph@gmail.com	8
34	Carlos	Vans	2010-05-15	8123771787	1283 Henry Street	Vancouver	BC	m2m4k1	Canadian	cv@gmail.com	9
35	Patricia	Johnson	2017-01-01	8423459900	2181 Long Street	Ottawa	ON	h4e2r2	Canadian	pj@gmail.com	10
36	Neill	Haley	1993-01-01	8691236655	8961 Kay Street	Vancouver	BC	k1l8k2	Canadian	nh@gmail.com	7
37	Kiara	Brabhams	1980-11-23	8912391232	7123 Bench Street	Toronto	ON	n1g2u8	Canadian	kb@gmail.com	5
38	Micheal	Brabhams	1976-03-12	8129120123	1723 York Street	Vancouver	BC	17o 1j2	Canadian	mb@gmail.com	5
39	Mick	Taylor	1964-03-12	8181235641	6541 Jersey Street	Edmonton	AB	y2e2d2	Canadian	mt@gmail.com	4
40	Amelia	Hunt	1990-11-04	8681930011	7659 Short Street	Vancouver	BC	t4e3s9	Canadian	ah@gmail.com	6
41	Jane	Mark	1992-12-24	8613210011	9120 Kit Street	Calgary	AB	k7h4d2	Canadian	jm@gmail.com	7
42	Carol	York	2017-10-26	8546345123	9345 Mint Street	Quebec City	QC	j5g4d3	Canadian	cy@gmail.com	10
43	George	Vane	2020-05-13	8456412359	9891 Rent Street	Vancouver	BC	h4f2s2	Canadian	gv@gmail.com	10
44	Ben	Eleven	2005-03-12	8612356788	7563 Gen Street	Montreal	QC	17o 1j2	Canadian	be@gmail.com	8
45	Peter	Parking	1990-05-12	8129120123	1723 York Street	Toronto	ON	17o 1j2	Canadian	pp@gmail.com	6
46	Mark	Nate	1990-05-12	8129120123	1723 York Street	Toronto	ON	17o 1j2	Canadian	pp@gmail.com	6
47	Jane	King	1990-05-12	8129120123	1723 York Street	Toronto	ON	17o 1j2	Canadian	pp@gmail.com	6
48	Karen	Vine	1990-05-12	8129120123	1723 York Street	Toronto	ON	17o 1j2	Canadian	pp@gmail.com	6
49	Vincent	Kane	1990-05-12	8129120123	1723 York Street	Toronto	ON	l7o1j2	Canadian	pp@gmail.com	6
50	Bane Tracy	Parking	1990-05-12	8129120123	1723 York Street	Toronto	ON	17o 1j2	Canadian	pp@gmail.com	6
51	Ken	Tucky	1969-01-01	5145554444	3412 Chicken Street	Montreal	QC	h1p2s2	Canadian	kfcfan@gmail	4
52	Ho	Lee	1941-03-01	4381234441	4516 Happy Street	Toronto	ON	s4e1n1	Canadian	hlee@gmail.com	1

Registered:

```
INSERT INTO Registered(pID, medicareID)
VALUES
    (26,11),
    (27,12),
    (28,13),
    (29,14),
    (30,15),
    (31,16),
    (32,17),
    (33,18),
    (34,19),
    (35,20),
    (46,21),
    (47,22),
    (48,23),
    (49,24),
    (50,25),
    (51,26),
    (52,27);
```

pID	medicareID
26	11
27	12
28	13
29	14
30	15
31	16
32	17
33	18
34	19
35	20
46	21
47	22
48	23
49	24
50	25
51	26
52	27

Medicare Card:

```
INSERT INTO MedicareCard(medicardID, doissue, doexpire)
VALUES
    (11, '2020-02-13', '2023-02-13'),
    (12, '2018-09-20', '2021-09-20'),
    (13, '2018-12-13', '2021-12-13'),
    (14, '2021-02-13', '2024-02-13'),
    (15, '2019-04-21', '2022-04-21'),
    (16, '2019-09-15', '2023-09-15'),
    (17, '2018-03-04', '2021-03-04'),
    (18, '2020-06-26', '2023-06-26'),
    (19, '2020-07-12', '2023-07-12'),
    (20, '2020-02-13', '2023-02-13'),
    (21, '1990-01-12', '2021-10-20'),
    (22, '1990-01-12', '2021-10-20'),
    (23, '1990-01-12', '1992-10-20'),
    (24, '1990-01-12', '1992-10-20'),
    (25, '1990-01-12', '1992-10-20'),
    (26, '2021-02-13', '2024-02-13'),
    (27, '2019-09-20', '2023-09-20');
```

medicardID	doissue	doexpire
11	2020-02-13	2023-02-13
12	2018-09-20	2021-09-20
13	2018-12-13	2021-12-13
14	2021-02-13	2024-02-13
15	2019-04-21	2022-04-21
16	2019-09-15	2023-09-15
17	2018-03-04	2021-03-04
18	2020-06-26	2023-06-26
19	2020-07-12	2023-07-12
20	2020-02-13	2023-02-13
21	1990-01-12	2021-10-20
22	1990-01-12	2021-10-20
23	1990-01-12	1992-10-20
24	1990-01-12	1992-10-20
25	1990-01-12	1992-10-20
26	2021-02-13	2024-02-13
27	2019-09-20	2023-09-20

Not Registered:

```
INSERT INTO NotRegistered(pID, passNum)

VALUES

(36,1),
(37,2),
(38,3),
(39,4),
(40,5),
(41,6),
(42,7),
(43,8),
(44,9),
(45,10);
```

¹² 浸pID 『:	₱ § passNum ₹ ‡
36 ₺	1
37 ☑	2
38 ₺	3
39 ☑	4
40 ☑	5
41 ₺	6
42 ₺	7
43 ☑	8
44 ₺	9
45 ₫	10

Public Health Worker:

```
INSERT INTO PublicHealthWorker(eID, pID, medicardID, type)
VALUES
    (1, 26, 11, 'manager'),
    (2, 27, 12, 'manager'),
    (3, 28, 13, 'manager'),
    (4, 29, 14, 'nurse'),
    (5, 30, 15, 'manager'),
    (6, 31, 16, 'secretary'),
    (7, 32, 17, 'security'),
    (8, 33, 18, 'nurse'),
    (9, 34, 19, 'nurse'),
    (10, 35, 20, 'nurse'),
    (11, 46, 21, 'manager'),
    (12, 47, 22, 'manager'),
    (13, 48, 23, 'manager'),
    (14, 49, 24, 'manager'),
    (15, 50, 25, 'manager'),
    (16, 51, 26, 'nurse'),
    (17, 52, 27, 'nurse');
```

eID	pID	medicardID	type
1	26	11	manager
2	27	12	manager
3	28	13	manager
4	29	14	nurse
5	30	15	manager
6	31	16	secretary
7	32	17	security
8	33	18	nurse
9	34	19	nurse
10	35	20	nurse
11	46	21	manager
12	47	22	manager
13	48	23	manager
14	49	24	manager
15	50	25	manager
16	51	26	nurse
17	52	27	nurse

Vaccination Facilities:

```
INSERT INTO Facility (name, address, city, province, postalCode, phone,
web, type, capacity, managerID)
VALUES
    ('J General Hospital', 'Blvd. St. Laurent', 'Montreal', 'QC', 'g1v4b7',
'8672316641', 'www.jgeneralhospital.com', 'hospital', 50, 1),
    ('Pharmaprix 1', 'rue Jean-Talon', 'Montreal', 'QC', 'c2b3j2',
'8767712233', 'www.pharmaprixjt.com', 'clinic', 2, 3),
    ('Pharmaprix 2', 'rue de Salaberri', 'Montreal', 'QC', 'g7h8g3',
'8787812354', 'www.pharmaprixrs.com', 'clinic', 2, 11),
    ('Bay Camp', 'Green Street', 'Vancouver', 'BC', 'h4g1f2', '8612367321',
'www.baycamp.com', 'special', 1, 5),
    ('R General Hospital', 'Mountain Street', 'Quebec City', 'QC',
'h3d2s2', '7627542233', 'www.rgeneralhospital.com', 'hospital', 20, 2),
    ('London General Hospital', 'Red Street', 'London', 'ON', 'g4f3d2',
'7123529988', 'londongenerahospital.com', 'hospital', 25, null),
    ('Camper Clinic', 'Lonely Street', 'Calgary', 'AB', 'h4d2k7',
'8234823122', 'www.camperclinic.com', 'clinic', 3, 12),
    ('Night Clinic', 'Maker Street', 'Edmonton', 'AB', 'm2n2c8',
'8681273218', 'www.nightclinic.com', 'clinic', 2, 13),
    ('Bank Hospital', 'Tin Street', 'Laval', 'QC', 'm6n5b1', '8812391238',
'www.bankhospital.com', 'hospital', 10, 14),
    ('Zen Clinic', 'Woodland District', 'Gatineau', 'QC', 'm4n1b9',
'8912371231', 'www.zenclinic.com', 'clinic', 3, 15);
```

^{ag} name	and address T:	asc city T:	province T:	postalCode 11	and phone T:	nec web	noc type T:	123 capacity 📆	¹2∄ managerID 📆
Bank Hospital	Tin Street	Laval	QC	m6n5b1	8812391238	www.bankhospital.com	hospital	10	14 ₺
Bay Camp	Green Street	Vancouver	BC	h4g1f2	8612367321	www.baycamp.com	special	1	5 ₺
Camper Clinic	Lonely Street	Calgary	AB	h4d2k7	8234823122	www.camperclinic.com	clinic	3	12 ₺
J General Hospital	Blvd. St. Laurent	Montreal	QC	g1v4b7	8672316641	www.jgeneralhospital.com	hospital	50	1 ₺
London General Hospital	Red Street	London	ON	g4f3d2	7123529988	londongenerahospital.com	hospital	25	[NULL]
Night Clinic	Maker Street	Edmonton	AB	m2n2c8	8681273218	www.nightclinic.com	clinic	2	13 🗗
Pharmaprix 1	rue Jean-Talon	Montreal	QC	c2b3j2	8767712233	www.pharmaprixjt.com	clinic	2	3 ₺
Pharmaprix 2	rue de Salaberri	Montreal	QC	g7h8g3	8787812354	www.pharmaprixrs.com	clinic	2	11 ₺
R General Hospital	Mountain Street	Quebec City	QC	h3d2s2	7627542233	www.rgeneralhospital.com	hospital	20	2 ₺
Zen Clinic	Woodland District	Gatineau	QC	m4n1b9	8912371231	www.zenclinic.com	clinic	3	15 ☑

35 Pharmaprix 2

26 Pharmaprix 2

30 Pharmaprix 1

31 Pharmaprix 1

36 ☑ Zen Clinic

37 Pharmaprix 1

42 R General Hospital

38 2 J General Hospital

20 21

22

23

24

25

26 27

```
Vaccination:
INSERT INTO Vaccination(vID, pID, location, eID, type, country, lotNum,
doseNumber, date)
VALUES
(11, 29, 'Wallstreet Bank', null, 'Pfizer', 'USA', 1, 1, '2021-05-21'),
(12, 33, 'J General Hospital', 4, 'Pfizer', 'CAN', 1, 2, '2021-06-15'),
(13, 46, 'facility9', null, 'Moderna', 'FRA', 54, 1, '2021-06-14'),
(14, 34, 'Pharmaprix 1', 8, 'Moderna', 'CAN', 65, 1, '2021-07-21'),
(15, 35, 'Pharmaprix 2', 9, 'JohnsonNJohnson', 'CAN', 12, 1, '2021-04-28'),
(16, 29, 'J General Hospital', 10, 'Pfizer', 'CAN', 7, 2, '2021-03-25'),
(17, 33, 'J General Hospital', 4, 'JohnsonNJohnson', 'CAN', 1, 2,
'2021-07-18'),
(18, 46, 'J General Hospital', 8, 'Moderna', 'CAN', 25, 2, '2020-09-24'),
(19, 34, 'J General Hospital', 8, 'Pfizer', 'CAN', 45, 2, '2021-10-03'),
(20, 35, 'Pharmaprix 2', 9, 'Moderna', 'CAN', 3, 2, '2020-03-07'),
(21, 26, 'Pharmaprix 2', 9, 'Pfizer', 'CAN', 6, 1, '2020-06-25'),
(22, 30, 'Pharmaprix 1', 8, 'Moderna', 'CAN', 8, 1, '2021-05-19'),
(23, 31, 'Pharmaprix 1', 8, 'Pfizer', 'CAN', 10, 1, '2020-08-20'),
(24, 42, 'R General Hospital', 4, 'Pfizer', 'CAN', 18, 1, '2020-09-24'),
(25, 36, 'Zen Clinic', 9, 'Pfizer', 'CAN', 12, 1, '2021-06-11'),
(26, 37, 'Pharmaprix 1', 10, 'Moderna', 'CAN', 6, 2, '2021-07-25'),
 (27, 38, 'J General Hospital', 9, 'Moderna', 'CAN', 20, 1, '2021-07-09');
       12g pID TI ABC location
                                              Tt asc country Tt 123 lotNum Tt 123 doseNumber Tt 2 date Tt
                         Ti 12是eID Ti 和type
 WVID T
           29 Wallstreet Bank
                              [NULL] Z Pfizer
                                                                               1 2021-05-21
                                                USA
           33 2 J General Hospital
                               4 🗹 🗹 Pfizer
                                                CAN
                                                                               1 2021-06-15
     12
                                                                  1
           46 ☑ facility9
                             [NULL] Moderna
                                                                 54
                                                                               1 2021-06-14
     13
                                                FRA
           34 2 Pharmaprix 1
                               8 2 Moderna
                                                                               1 2021-07-21
     15
           35 Pharmaprix 2
                               9 2 Johnson NJohnson CAN
                                                                 12
                                                                               1 2021-04-28
           29 d J General Hospital
                              10 ☑ ☑ Pfizer
                                                                  7
                                                                               2 2021-03-25
     16
           33 🗹 J General Hospital
                               4 2 Johnson NJohnson CAN
                                                                 1
                                                                               2 2021-07-18
     17
                                                                 25
     18
           46 2 J General Hospital
                               8 🗹 🗹 Moderna
                                                CAN
                                                                               2 2020-09-24
                                                                 45
     19
           34 🗹 J General Hospital
                               8 🗹 🗹 Pfizer
                                                CAN
                                                                               2 2021-10-04
```

9 2 Moderna

8 2 Moderna

9 ☑ ☑ Pfizer

8 ☑ ☑ Pfizer

4 ☑ Pfizer

9 ☑ ☑ Pfizer

10 🗹 🗹 Moderna

9 ☑ ☑ Moderna

CAN

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10

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20

2 2020-03-07

1 2020-06-25

1 2021-05-19

1 2020-08-20

1 2020-09-24

1 2021-06-11

2 2021-07-25

1 2021-07-09

Works at:

```
INSERT INTO WorksAt
(eID, facilityName, startDate, endDate)
VALUES
(14, 'Bank Hospital', '2019-04-23', '2022-02-26'),
(5, 'Bay Camp', '2015-07-27', '2030-03-18'),
(12, 'Camper Clinic', '2017-02-04', '2025-08-09'),
(4, 'J General Hospital', '2020-06-15', '2022-06-15'),
(1, 'J General Hospital', '2018-09-30', '2023-07-20'),
(13, 'Night Clinic', '2016-04-24', '2022-03-28'),
(8, 'Pharmaprix 1', '2020-07-21', '2023-07-21'),
(3, 'Pharmaprix 1', '2018-04-17', '2025-03-28'),
(9, 'Pharmaprix 2', '2020-04-28', '2023-04-28'),
(11, 'Pharmaprix 2', '2020-01-13', '2022-01-20'),
(2, 'R General Hospital', '2012-05-17', '2027-08-19'),
(15, 'Zen Clinic', '2019-06-17', '2025-03-20');
```

12 elD 🏋	₱ § facilityName	startDate 📆	endDate 📆
1 🗗	☑ J General Hospital	2018-09-30	2023-07-20
2 ₺	☑ R General Hospital	2012-05-17	2027-08-19
3 ₺	☑ Pharmaprix 1	2018-04-17	2025-03-28
4 ♂	☑ J General Hospital	2020-06-15	2022-06-15
5 ☑	☑ Bay Camp	2015-07-27	2030-03-18
6 ₺	☑ J General Hospital	2015-07-22	2021-08-26
7 ₺	☑ J General Hospital	2018-12-25	2024-08-28
8 ₺	☑ J General Hospital	2017-06-17	2027-09-18
8 ₺	☑ Pharmaprix 1	2020-07-21	2023-07-21
9 ₺	☑ J General Hospital	2014-10-30	2028-09-29
9 ₺	☑ Pharmaprix 2	2020-04-28	2023-04-28
10 ☑	☑ J General Hospital	2017-11-20	2027-10-25
11 ♂	☑ Pharmaprix 2	2020-01-13	2022-01-20
12 ☑	☑ Camper Clinic	2017-02-04	2025-08-09
13 ☑	☑ Night Clinic	2016-04-24	2022-03-28
14 ₺	☑ Bank Hospital	2019-04-23	2022-02-26
15 ₫	☑ Zen Clinic	2019-06-17	2025-03-20

Vaccine:

```
INSERT INTO Vaccine(name, status, approvalDate, suspendedDate, description)
VALUES
    ('Pfizer', 'SAFE', '2021-04-12', null, 'pfizer_desc'),
    ('AstraZeneca', 'SUSPENDED', '2021-05-20', '2021-06-21', 'az_desc'),
    ('Moderna', 'SAFE', '2021-04-23', null, 'moderna_desc'),
    ('JohnsonNJohnson', 'SAFE', '2021-06-02', null, 'jj_desc'),
    ('VaccineA', 'SUSPENDED', '2021-05-20', '2021-06-21', 'vaccine_a_desc'),
    ('VaccineB', 'SUSPENDED', '2021-05-20', '2021-06-21', 'vaccine_b_desc'),
    ('VaccineC', 'SUSPENDED', '2021-05-20', '2021-06-21', 'vaccine_c_desc'),
    ('VaccineD', 'SUSPENDED', '2021-05-20', '2021-06-21', 'vaccine_d_desc'),
    ('VaccineE', 'SUSPENDED', '2021-05-20', '2021-06-21', 'vaccine_e_desc'),
    ('VaccineF', 'SUSPENDED', '2021-05-20', '2021-06-21', 'vaccine_f_desc');
              status
                         approvalDate suspendedDate suspendedDate
<sup>ag</sup>name
                                                     2021-06-21 az desc
                SUSPENDED
                                  2021-05-20
JohnsonNJohnson SAFE
                                  2021-06-02
                                                         [NULL] jj desc
                SAFE
Moderna
                                  2021-04-23
                                                          [NULL] moderna_desc
Pfizer
                SAFE
                                  2021-04-12
                                                         [NULL] pfizer_desc
                                                     2021-06-21 vaccine a desc
VaccineA
                SUSPENDED
                                  2021-05-20
VaccineB
                SUSPENDED
                                  2021-05-20
                                                     2021-06-21 vaccine b desc
VaccineC
                                                     2021-06-21 vaccine c desc
                SUSPENDED
                                  2021-05-20
                SUSPENDED
                                                     2021-06-21 vaccine d desc
VaccineD
                                  2021-05-20
VaccineE
                SUSPENDED
                                  2021-05-20
                                                     2021-06-21 vaccine e desc
VaccineF
                SUSPENDED
                                  2021-05-20
                                                     2021-06-21 vaccine f desc
```

Group age:

```
INSERT INTO GroupAge(groupID, status, lowerBound, upperBound)
VALUES
     (1, false, 80, 100),
     (2, false, 70, 79),
     (3, false, 60, 69),
     (4, false, 50, 59),
     (5, false, 40, 49),
     (6, false, 39, 39),
     (7, false, 18, 29),
     (8, false, 12, 17),
     (9, false, 5, 11),
     (10, false, 0, 4);
```

123 groupID 71	123 status 📆	123 lowerBound T:	123 upperBound 17:
1	0	80	100
2	0	70	79
3	0	60	69
4	0	50	59
5	0	40	49
6	0	39	39
7	0	18	29
8	0	12	17
9	0	5	11
10	0	0	4

Covid History:

```
INSERT INTO covidhistory
VALUES

(26, '2020-10-26'),
(28, '2020-11-30'),
(30, '2021-12-25'),
(32, '2021-05-21'),
(34, '2020-03-18'),
(36, '2021-01-15'),
(38, '2020-02-08'),
(40, '2020-02-04'),
(42, '2020-08-01'),
(44, '2021-09-06'),
(46, '2021-04-16'),
(48, '2021-06-18'),
(50, '2020-07-17');
```

123 personID 7:	
26 ₺	2020-10-26
28 ☑	2020-11-30
30 ☑	2021-12-25
32 ☑	2021-05-21
34 ☑	2020-03-18
36 ௴	2021-01-15
38 ₺	2020-02-08
40 ₺	2020-02-04
42 ₺	2020-08-01
44 ₺	2021-09-06
46 ₺	2021-04-16
48 ₺	2021-06-18
50 ☑	2020-07-17

5. SELECT COUNT(*) FROM R

```
SELECT COUNT(*) FROM Facility;
COUNT(*)
10
SELECT COUNT(*) FROM GroupAge;
COUNT(*)
SELECT COUNT(*) FROM MedicareCard;
COUNT(*)
17
SELECT COUNT(*) FROM NotRegistered;
COUNT(*)
10
SELECT COUNT(*) FROM Person;
COUNT(*)
27
SELECT COUNT(*) FROM PublicHealthWorker;
COUNT(*)
17
SELECT COUNT(*) FROM Registered;
COUNT(*)
17
SELECT COUNT(*) FROM Vaccination;
COUNT(*)
17
SELECT COUNT(*) FROM Vaccine;
COUNT(*)
10
```

SELECT COUNT(*) FROM WorksAt;

```
COUNT(*)
```

SELECT COUNT(*) FROM covidhistory;

COUNT(*)