Alexandra Salem

Databases 2020 Grad Project Part 2

Relations:

Vegetables(VegID, name, sunlight, plant_spacing, row_spacing)

Season(SeasonID, name)

Month(MonthID, name, SeasonID)
SeasonID references Season

SeedIndoor(VegID, MonthID, day, best)
VegID references Vegetables, MonthID references Month

SeedOutdoor(VegID, MonthID, day, best)
VegID references Vegetables, MonthID references Month

Starts(VegID, MonthID, day, best)
VegID references Vegetables, MonthID references Month

Harvest(VegID, SeasonID)
VegID references Vegetables, SeasonID references Season

Creating two tables:

```
CREATE TABLE Season
(SeasonID INT NOT NULL,
Name Text,
PRIMARY KEY (SeasonID)
);

CREATE TABLE Month
(MonthID INT NOT NULL,
Name Text,
SeasonID INT REFERENCES Season(SeasonID),
PRIMARY KEY (MonthID)
);

INSERT INTO Season
VALUES (1, 'Winter');

INSERT INTO Season
VALUES (2, 'Spring');

INSERT INTO Season
VALUES (3, 'Summer');

INSERT INTO Season
VALUES (4, 'Fall');

INSERT INTO Month
VALUES (1, 'January', 1);
```

```
INSERT INTO Month
VALUES (2, 'February', 1);

INSERT INTO Month
VALUES (3, 'March', 2);

INSERT INTO Month
VALUES (4, 'April', 2);

INSERT INTO Month
VALUES (5, 'May', 2);

INSERT INTO Month
VALUES (6, 'June', 3);

INSERT INTO Month
VALUES (7, 'July', 3);

INSERT INTO Month
VALUES (8,'August', 3);

INSERT INTO Month
VALUES (9, 'September', 4);

INSERT INTO Month
VALUES (10, 'October', 4);

INSERT INTO Month
VALUES (11, 'November', 4);

INSERT INTO Month
VALUES (12, 'December', 1);
```

Results of two tables:

```
spr2020t1db54=> select * from season;
 seasonid |  name
----------+--------
        1 | Winter
        2 | Spring
        3 | Summer
        4 | Fall
(4 rows)

spr2020t1db54=> select * from month;
 monthid |   name    | seasonid
---------+-----------+----------
       1 | January   |        1
       2 | February  |        1
       3 | March     |        2
       4 | April     |        2
```

```
       5 | May       |        2
       6 | June      |        3
       7 | July      |        3
       8 | August    |        3
       9 | September |        4
      10 | October   |        4
      11 | November  |        4
      12 | December  |        1
(12 rows)
```