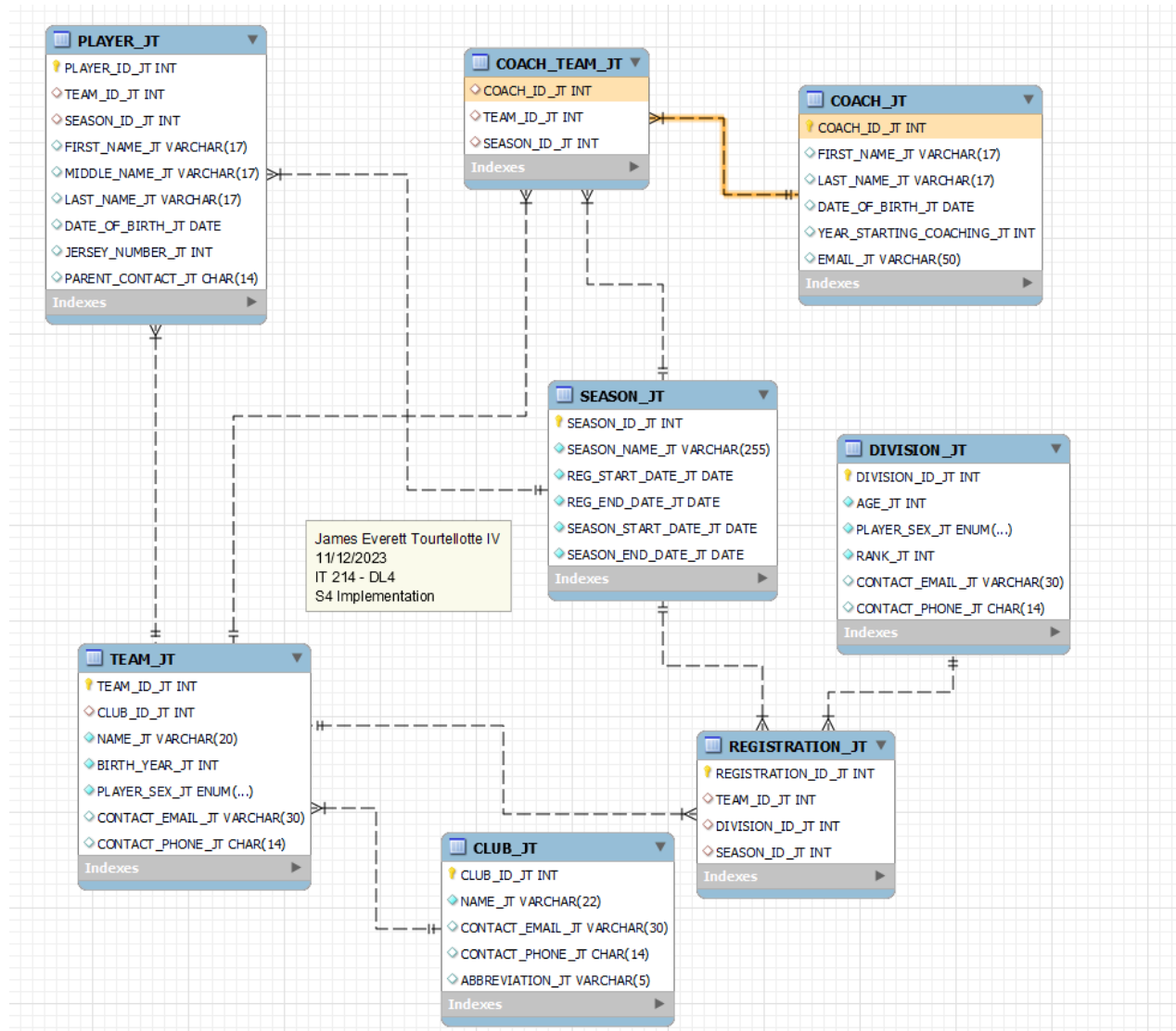


James Everett Tourtellotte IV  
11/12/2023  
IT 214 - DL4  
S4 Implementation Assignment

## Full ERD



## Task 2 - Create Database

Input:

```
1      -- Task 2 Create database by [James Tourtellotte]
2
3  •    CREATE DATABASE SOCCER_LEAGUE_JT;
4
5  •    USE SOCCER_LEAGUE_JT;
6
7  •    SHOW DATABASES;
8
```

Output:

	#	Time	Action	Message
✓	1	14:35:13	CREATE DATABASE SOCCER_LEAGUE_JT	1 row(s) affected
✓	2	14:35:13	USE SOCCER_LEAGUE_JT	0 row(s) affected
✓	3	14:35:13	SHOW DATABASES	14 row(s) returned
✓	4	14:35:13	SHOW TABLES	0 row(s) returned

### Task 3 - Create Tables

Input 1/3:

```
14 • ○ CREATE TABLE SEASON_JT (  
15     SEASON_ID_JT INT AUTO_INCREMENT PRIMARY KEY,  
16     SEASON_NAME_JT VARCHAR(255) NOT NULL,  
17     REG_START_DATE_JT DATE NOT NULL,  
18     REG_END_DATE_JT DATE NOT NULL,  
19     SEASON_START_DATE_JT DATE NOT NULL,  
20     SEASON_END_DATE_JT DATE NOT NULL  
21 );  
22  
23 • ○ CREATE TABLE DIVISION_JT (  
24     DIVISION_ID_JT INT AUTO_INCREMENT PRIMARY KEY,  
25     AGE_JT INT NOT NULL,  
26     PLAYER_SEX_JT ENUM('boys', 'girls') NOT NULL,  
27     RANK_JT INT NOT NULL,  
28     CONTACT_EMAIL_JT VARCHAR(30),  
29     CONTACT_PHONE_JT CHAR(14)  
30 );  
31
```

Input 2/3:

```
32 • ○ CREATE TABLE CLUB_JT (  
33     CLUB_ID_JT INT AUTO_INCREMENT PRIMARY KEY,  
34     NAME_JT VARCHAR(22) NOT NULL,  
35     CONTACT_EMAIL_JT VARCHAR(30),  
36     CONTACT_PHONE_JT CHAR(14),  
37     ABBREVIATION_JT VARCHAR(5)  
38 );  
39  
40 • ○ CREATE TABLE TEAM_JT (  
41     TEAM_ID_JT INT AUTO_INCREMENT PRIMARY KEY,  
42     CLUB_ID_JT INT,  
43     NAME_JT VARCHAR(20) NOT NULL,  
44     BIRTH_YEAR_JT INT NOT NULL,  
45     PLAYER_SEX_JT ENUM('boys', 'girls') NOT NULL,  
46     CONTACT_EMAIL_JT VARCHAR(30),  
47     CONTACT_PHONE_JT CHAR(14),  
48     UNIQUE (CLUB_ID_JT, NAME_JT),  
49     FOREIGN KEY (CLUB_ID_JT) REFERENCES CLUB_JT(CLUB_ID_JT)  
50 );  
51
```

### Task 3 - Create Tables Continued:

Input 3/3

```
52 • CREATE TABLE REGISTRATION_JT (  
53     REGISTRATION_ID_JT INT AUTO_INCREMENT PRIMARY KEY,  
54     TEAM_ID_JT INT,  
55     DIVISION_ID_JT INT,  
56     SEASON_ID_JT INT,  
57     FOREIGN KEY (TEAM_ID_JT) REFERENCES TEAM_JT(Team_ID_JT),  
58     FOREIGN KEY (DIVISION_ID_JT) REFERENCES DIVISION_JT(DIVISION_ID_JT),  
59     FOREIGN KEY (SEASON_ID_JT) REFERENCES SEASON_JT(SEASON_ID_JT)  
60 );  
61  
62 • SHOW TABLES;  
63 • DESCRIBE SEASON_JT;  
64 • DESCRIBE DIVISION_JT;  
65 • DESCRIBE CLUB_JT;  
66 • DESCRIBE TEAM_JT;  
67 • DESCRIBE REGISTRATION_JT;  
68
```

Input 4/5

```
62     -- PLAYER_JT  
63 • CREATE TABLE PLAYER_JT (  
64     PLAYER_ID_JT INT AUTO_INCREMENT PRIMARY KEY,  
65     TEAM_ID_JT INT,  
66     SEASON_ID_JT INT,  
67     FIRST_NAME_JT VARCHAR(17),  
68     MIDDLE_NAME_JT VARCHAR(17),  
69     LAST_NAME_JT VARCHAR(17),  
70     DATE_OF_BIRTH_JT DATE,  
71     JERSEY_NUMBER_JT INT,  
72     PARENT_CONTACT_JT CHAR(14),  
73     FOREIGN KEY (TEAM_ID_JT) REFERENCES TEAM_JT(Team_ID_JT),  
74     FOREIGN KEY (SEASON_ID_JT) REFERENCES SEASON_JT(SEASON_ID_JT)  
75 );  
76  
77     -- COACH_JT  
78 • CREATE TABLE COACH_JT (  
79     COACH_ID_JT INT AUTO_INCREMENT PRIMARY KEY,  
80     FIRST_NAME_JT VARCHAR(17),  
81     LAST_NAME_JT VARCHAR(17),  
82     DATE_OF_BIRTH_JT DATE,  
83     YEAR_STARTING_COACHING_JT INT,  
84     EMAIL_JT VARCHAR(50)  
85 );
```

## Input 5/5

```
87      -- COACH_TEAM_JT
88  ● ○ CREATE TABLE COACH_TEAM_JT (
89      COACH_ID_JT INT,
90      TEAM_ID_JT INT,
91      SEASON_ID_JT INT,
92      FOREIGN KEY (COACH_ID_JT) REFERENCES COACH_JT(COACH_ID_JT),
93      FOREIGN KEY (TEAM_ID_JT) REFERENCES TEAM_JT(Team_ID_JT),
94      FOREIGN KEY (SEASON_ID_JT) REFERENCES SEASON_JT(SEASON_ID_JT)
95  );
```

## Output:

✓	35	14:33:29	CREATE TABLE SEASON_JT ( SEASON_ID_JT INT AUTO_INCREMENT PRIMARY KEY, SEASON_NAME_JT VARCHAR(255) NOT NUL...	0 row(s) affected
✓	36	14:33:29	CREATE TABLE DIVISION_JT ( DIVISION_ID_JT INT AUTO_INCREMENT PRIMARY KEY, AGE_JT INT NOT NULL, PLAYER_SEX_JT ...	0 row(s) affected
✓	37	14:33:29	CREATE TABLE CLUB_JT ( CLUB_ID_JT INT AUTO_INCREMENT PRIMARY KEY, NAME_JT VARCHAR(22) NOT NULL, CONTACT_E...	0 row(s) affected
✓	38	14:33:30	CREATE TABLE TEAM_JT ( TEAM_ID_JT INT AUTO_INCREMENT PRIMARY KEY, CLUB_ID_JT INT, NAME_JT VARCHAR(20) NOT N...	0 row(s) affected
✓	39	14:33:30	CREATE TABLE REGISTRATION_JT ( REGISTRATION_ID_JT INT AUTO_INCREMENT PRIMARY KEY, TEAM_ID_JT INT, DIVISION_J...	0 row(s) affected
✓	40	14:33:30	CREATE TABLE PLAYER_JT ( PLAYER_ID_JT INT AUTO_INCREMENT PRIMARY KEY, TEAM_ID_JT INT, SEASON_ID_JT INT, FI...	0 row(s) affected
✓	41	14:33:30	CREATE TABLE COACH_JT ( COACH_ID_JT INT AUTO_INCREMENT PRIMARY KEY, FIRST_NAME_JT VARCHAR(17), LAST_NAME_...	0 row(s) affected
✓	42	14:33:30	CREATE TABLE COACH_TEAM_JT ( COACH_ID_JT INT, TEAM_ID_JT INT, SEASON_ID_JT INT, FOREIGN KEY (COACH_ID_JT) R...	0 row(s) affected

## Task 4 - Add Data

Input 1/5 :

```
-- task 4 by James Tourtellotte

-- Insert Seasons
INSERT INTO SEASON_JT (SEASON_NAME_JT, REG_START_DATE_JT, REG_END_DATE_JT, SEASON_START_DATE_JT, SEASON_END_DATE_JT) VALUES
('SUMMER 2021', '2021-05-11', '2021-05-14', '2021-06-15', '2021-09-15'),
('SPRING 2019', '2019-02-21', '2019-02-22', '2019-03-15', '2019-06-15'),
('WINTER 2022', '2022-11-05', '2022-11-29', '2022-12-15', '2023-03-15'); -- No division will be defined for this season yet.

-- Insert Divisions
INSERT INTO DIVISION_JT (AGE_JT, PLAYER_SEX_JT, RANK_JT, CONTACT_EMAIL_JT, CONTACT_PHONE_JT) VALUES
(12, 'boys', 1, 'u12boys_div1@example.com', '(123) 456-7890'),
(14, 'boys', 1, 'u14boys_div1@example.com', '(234) 567-8901'),
(10, 'girls', 2, 'u10girls_div2@example.com', '(345) 678-9012'),
(15, 'girls', 2, 'u15girls_div2@example.com', '(456) 789-0123');

-- Insert Clubs
INSERT INTO CLUB_JT (NAME_JT, ABBREVIATION_JT) VALUES
('Hawks', 'HWK'),
('Eagles', 'EGL'),
('Falcons', 'FLC');
```

Input 2/5:

```
-- Insert Teams with contact email and phone for Club 'Eagles'
INSERT INTO TEAM_JT (CLUB_ID_JT, NAME_JT, BIRTH_YEAR_JT, PLAYER_SEX_JT, CONTACT_EMAIL_JT, CONTACT_PHONE_JT) VALUES
((SELECT CLUB_ID_JT FROM CLUB_JT WHERE NAME_JT = 'Eagles'), 'Red', 2010, 'boys', 'red.team@example.com', '(567) 890-1234'),
((SELECT CLUB_ID_JT FROM CLUB_JT WHERE NAME_JT = 'Eagles'), 'Blue', 2008, 'boys', 'blue.team@example.com', '(678) 901-2345');

-- Insert Teams with contact email and phone for another club 'Hawks'
INSERT INTO TEAM_JT (CLUB_ID_JT, NAME_JT, BIRTH_YEAR_JT, PLAYER_SEX_JT, CONTACT_EMAIL_JT, CONTACT_PHONE_JT) VALUES
((SELECT CLUB_ID_JT FROM CLUB_JT WHERE NAME_JT = 'Hawks'), 'Green', 2009, 'girls', 'green.team@example.com', '(789) 012-3456'),
((SELECT CLUB_ID_JT FROM CLUB_JT WHERE NAME_JT = 'Hawks'), 'Yellow', 2007, 'girls', 'yellow.team@example.com', '(890) 123-4567');

-- Insert a team with contact email and phone for the third club, but don't register it to any division
INSERT INTO TEAM_JT (CLUB_ID_JT, NAME_JT, BIRTH_YEAR_JT, PLAYER_SEX_JT, CONTACT_EMAIL_JT, CONTACT_PHONE_JT) VALUES
((SELECT CLUB_ID_JT FROM CLUB_JT WHERE NAME_JT = 'Falcons'), 'White', 2011, 'boys', 'white.team@example.com', '(901) 234-5678');

-- Register Teams to Divisions
-- Register 'Red' and 'Blue' to the first and second divisions for 'SPRING 2019'
INSERT INTO REGISTRATION_JT (TEAM_ID_JT, DIVISION_ID_JT, SEASON_ID_JT) VALUES
((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Red'), 1, 2),
((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Red'), 2, 2),
((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Blue'), 1, 2),
((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Blue'), 2, 2);
```

## Task 4 - Continued

### Input 3/5 :

```
-- Register 'Green' and 'Yellow' to the third and fourth divisions for 'SUMMER 2021'
INSERT INTO REGISTRATION_JT (TEAM_ID_JT, DIVISION_ID_JT, SEASON_ID_JT) VALUES
((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Green'), 3, 1),
((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Green'), 4, 1),
((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Yellow'), 3, 1),
((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Yellow'), 4, 1);
```

### Input 4/6

```
142 -- Insert players
143 • INSERT INTO PLAYER_JT (TEAM_ID_JT, SEASON_ID_JT, FIRST_NAME_JT, MIDDLE_NAME_JT, LAST_NAME_JT, DATE_OF_BIRTH_JT, JERSEY_NUMBER_JT, PARENT_CONTACT_JT) VALUES
144 -- Two players with jersey number 33
145 ((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team A'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2021'), 'John', 'E.', 'Doe', '2005-04-12', 33, '(123) 456-7890'),
146 ((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team B'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2020'), 'Jane', 'F.', 'Smith', '2006-05-15', 33, '(234) 567-8901')
147 -- Additional Players
148 • INSERT INTO PLAYER_JT (TEAM_ID_JT, SEASON_ID_JT, FIRST_NAME_JT, MIDDLE_NAME_JT, LAST_NAME_JT, DATE_OF_BIRTH_JT, JERSEY_NUMBER_JT, PARENT_CONTACT_JT) VALUES
149 -- Player 3
150 ((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team C'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2020'), 'Michael', 'G.', 'Brown', '2007-08-09', 10, '(345) 678-9012')
151 -- Player 4
152 ((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team D'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2021'), 'Sara', 'H.', 'Davis', '2006-12-11', 15, '(456) 789-0123')
153 -- Player 5
154 ((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team E'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2021'), 'Emily', 'I.', 'Wilson', '2005-03-14', 21, '(567) 890-1234')
155
```

### Input 5/6

```
158 -- Insert coaches
159 • INSERT INTO COACH_JT (FIRST_NAME_JT, LAST_NAME_JT, DATE_OF_BIRTH_JT, YEAR_STARTING_COACHING_JT, EMAIL_JT) VALUES
160 -- Two coaches who started in 2000
161 ('Alice', 'Johnson', '1970-03-25', 2000, 'alice.johnson@example.com'),
162 ('Bob', 'Williams', '1968-07-30', 2000, 'bob.williams@example.com');
163 -- Additional Coaches
164 • INSERT INTO COACH_JT (FIRST_NAME_JT, LAST_NAME_JT, DATE_OF_BIRTH_JT, YEAR_STARTING_COACHING_JT, EMAIL_JT) VALUES
165 -- Coach 3
166 ('Chris', 'Miller', '1980-02-17', 2005, 'chris.miller@example.com'),
167 -- Coach 4
168 ('Patricia', 'Lee', '1975-04-20', 2008, 'patricia.lee@example.com'),
169 -- Coach 5
170 ('David', 'Harris', '1982-09-22', 2010, 'david.harris@example.com');
171
```

## Input 6/6

```
175 • INSERT INTO COACH_TEAM_JT (COACH_ID_JT, TEAM_ID_JT, SEASON_ID_JT) VALUES
176 -- Coaches for SPRING 2019
177 ((SELECT COACH_ID_JT FROM COACH_JT WHERE FIRST_NAME_JT = 'Alice'), (SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team A'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2019'))
178 ((SELECT COACH_ID_JT FROM COACH_JT WHERE FIRST_NAME_JT = 'Bob'), (SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team B'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2020'))
179 • INSERT INTO COACH_TEAM_JT (COACH_ID_JT, TEAM_ID_JT, SEASON_ID_JT) VALUES
180 -- Coach 3 for FALL 2019
181 ((SELECT COACH_ID_JT FROM COACH_JT WHERE FIRST_NAME_JT = 'Chris'), (SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team C'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'FALL 2019'))
182 -- Coach 4 for SPRING 2020
183 ((SELECT COACH_ID_JT FROM COACH_JT WHERE FIRST_NAME_JT = 'Patricia'), (SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team D'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2020'))
184 -- Coach 5 for SPRING 2021
185 ((SELECT COACH_ID_JT FROM COACH_JT WHERE FIRST_NAME_JT = 'David'), (SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team E'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2021'))
```

## Output :

```
✓ 49 14:33:30 INSERT INTO SEASON_JT (SEASON_NAME_JT, REG_START_DATE_JT, REG_END_DATE_JT, SEASON_START_DATE_JT, SEASON_END_DATE_JT) VALUES ('2019 Spring', TO_DATE('2019-03-01', 'YYYY-MM-DD'), TO_DATE('2019-08-31', 'YYYY-MM-DD'), TO_DATE('2019-03-01', 'YYYY-MM-DD'), TO_DATE('2019-08-31', 'YYYY-MM-DD'))
✓ 50 14:33:30 INSERT INTO DIVISION_JT (AGE_JT, PLAYER_SEX_JT, RANK_JT, CONTACT_EMAIL_JT, CONTACT_PHONE_JT) VALUES (12, 'boys', 1, '12boys@club.com', '555-555-1212')
✓ 51 14:33:30 INSERT INTO CLUB_JT (NAME_JT, ABBREVIATION_JT) VALUES ('Hawks', 'HWK'), ('Eagles', 'EGL'), ('Falcons', 'FLC')
✓ 52 14:33:30 INSERT INTO TEAM_JT (CLUB_ID_JT, NAME_JT, BIRTH_YEAR_JT, PLAYER_SEX_JT, CONTACT_EMAIL_JT, CONTACT_PHONE_JT) VALUES ((SELECT CLUB_ID_JT FROM CLUB_JT WHERE NAME_JT = 'Hawks'), 'Team A', 2019, 'M', 'team_a@club.com', '555-555-1212')
✓ 53 14:33:30 INSERT INTO TEAM_JT (CLUB_ID_JT, NAME_JT, BIRTH_YEAR_JT, PLAYER_SEX_JT, CONTACT_EMAIL_JT, CONTACT_PHONE_JT) VALUES ((SELECT CLUB_ID_JT FROM CLUB_JT WHERE NAME_JT = 'Eagles'), 'Team B', 2020, 'F', 'team_b@club.com', '555-555-1212')
✓ 54 14:33:30 INSERT INTO TEAM_JT (CLUB_ID_JT, NAME_JT, BIRTH_YEAR_JT, PLAYER_SEX_JT, CONTACT_EMAIL_JT, CONTACT_PHONE_JT) VALUES ((SELECT CLUB_ID_JT FROM CLUB_JT WHERE NAME_JT = 'Falcons'), 'Team C', 2021, 'M', 'team_c@club.com', '555-555-1212')
✓ 55 14:33:30 INSERT INTO PLAYER_JT (TEAM_ID_JT, SEASON_ID_JT, FIRST_NAME_JT, MIDDLE_NAME_JT, LAST_NAME_JT, DATE_OF_BIRTH_JT, JERSEY_NUMBER_JT) VALUES ((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team A'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2019'), 'Alice', 'M', 'A', TO_DATE('1990-01-01', 'YYYY-MM-DD'), 1)
✓ 56 14:33:30 INSERT INTO PLAYER_JT (TEAM_ID_JT, SEASON_ID_JT, FIRST_NAME_JT, MIDDLE_NAME_JT, LAST_NAME_JT, DATE_OF_BIRTH_JT, JERSEY_NUMBER_JT) VALUES ((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team B'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2020'), 'Bob', 'M', 'B', TO_DATE('1990-01-01', 'YYYY-MM-DD'), 2)
✓ 57 14:33:30 INSERT INTO COACH_JT (FIRST_NAME_JT, LAST_NAME_JT, DATE_OF_BIRTH_JT, YEAR_STARTING_COACHING_JT, EMAIL_JT) VALUES ('Chris', 'C', TO_DATE('1980-01-01', 'YYYY-MM-DD'), 2019, 'chris@club.com')
✓ 58 14:33:30 INSERT INTO COACH_JT (FIRST_NAME_JT, LAST_NAME_JT, DATE_OF_BIRTH_JT, YEAR_STARTING_COACHING_JT, EMAIL_JT) VALUES ('Patricia', 'D', TO_DATE('1980-01-01', 'YYYY-MM-DD'), 2020, 'patricia@club.com')
✓ 59 14:33:30 INSERT INTO COACH_TEAM_JT (COACH_ID_JT, TEAM_ID_JT, SEASON_ID_JT) VALUES -- Coaches for SPRING 2019 ((SELECT COACH_ID_JT FROM COACH_JT WHERE FIRST_NAME_JT = 'Alice'), (SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team A'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2019'))
✓ 60 14:33:30 INSERT INTO COACH_TEAM_JT (COACH_ID_JT, TEAM_ID_JT, SEASON_ID_JT) VALUES -- Coach 3 for FALL 2019 ((SELECT COACH_ID_JT FROM COACH_JT WHERE FIRST_NAME_JT = 'Chris'), (SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team C'), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'FALL 2019'))
✓ 61 14:33:30 INSERT INTO REGISTRATION_JT (TEAM_ID_JT, DIVISION_ID_JT, SEASON_ID_JT) VALUES ((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team A'), (SELECT DIVISION_ID_JT FROM DIVISION_JT WHERE AGE_JT = 12), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2019'))
✓ 62 14:33:30 INSERT INTO REGISTRATION_JT (TEAM_ID_JT, DIVISION_ID_JT, SEASON_ID_JT) VALUES ((SELECT TEAM_ID_JT FROM TEAM_JT WHERE NAME_JT = 'Team B'), (SELECT DIVISION_ID_JT FROM DIVISION_JT WHERE AGE_JT = 12), (SELECT SEASON_ID_JT FROM SEASON_JT WHERE SEASON_NAME_JT = 'SPRING 2020'))
```



## Task 5 - Query the Data by James Tourtellotte

Input 1/5:

```
125  -- Task number 5 by James Tourtellotte  --
126
127  -- emails for spring teams --
128
129  •  SELECT
130      T.NAME_JT AS name,
131      T.CONTACT_EMAIL_JT AS email
132  FROM
133      TEAM_JT T
134  JOIN
135      REGISTRATION_JT R ON T.TEAM_ID_JT = R.TEAM_ID_JT
136  JOIN
137      SEASON_JT S ON R.SEASON_ID_JT = S.SEASON_ID_JT
138  WHERE
139      S.SEASON_NAME_JT = 'Spring 2019'
140  ORDER BY
141      T.NAME_JT ASC;
142
```

Input 2/5 :

```
-- list divisions task --

SELECT
    D.AGE_JT AS age,
    D.PLAYER_SEX_JT AS gender,
    D.RANK_JT AS divrank,
    D.CONTACT_PHONE_JT AS phone,
    S.SEASON_NAME_JT AS season
FROM
    DIVISION_JT D
JOIN
    REGISTRATION_JT R ON D.DIVISION_ID_JT = R.DIVISION_ID_JT
JOIN
    SEASON_JT S ON R.SEASON_ID_JT = S.SEASON_ID_JT
WHERE
    EXISTS (
        SELECT 1
        FROM TEAM_JT T
        WHERE T.NAME_JT = 'Red'
        AND R.TEAM_ID_JT = T.TEAM_ID_JT
    )
ORDER BY
    D.RANK_JT;
```

Task 5 - continued  
Input 3/5

```
-- list eagles teams and divisions 2019 spring --
```

```
• SELECT
    T.NAME_JT AS team_name,
    D.AGE_JT AS age,
    D.PLAYER_SEX_JT AS gender,
    D.RANK_JT AS divrank
FROM
    TEAM_JT T
JOIN
    CLUB_JT C ON T.CLUB_ID_JT = C.CLUB_ID_JT
JOIN
    REGISTRATION_JT R ON T.TEAM_ID_JT = R.TEAM_ID_JT
JOIN
    DIVISION_JT D ON R.DIVISION_ID_JT = D.DIVISION_ID_JT
JOIN
    SEASON_JT S ON R.SEASON_ID_JT = S.SEASON_ID_JT
WHERE
    C.NAME_JT = 'Eagles'
AND
    S.SEASON_NAME_JT = 'Spring 2019';
```

Input 4/5

```
-- spring 12 and under

• SELECT
    T.NAME_JT AS team_name,
    C.NAME_JT AS club_name,
    T.BIRTH_YEAR_JT AS year_of_birth
FROM
    TEAM_JT T
JOIN
    CLUB_JT C ON T.CLUB_ID_JT = C.CLUB_ID_JT
JOIN
    REGISTRATION_JT R ON T.TEAM_ID_JT = R.TEAM_ID_JT
JOIN
    DIVISION_JT D ON R.DIVISION_ID_JT = D.DIVISION_ID_JT
JOIN
    SEASON_JT S ON R.SEASON_ID_JT = S.SEASON_ID_JT
WHERE
    D.AGE_JT <= 12
AND
    S.SEASON_NAME_JT = 'Spring 2019';
```

## Task 5 - Continued

### Input 5/5

```
298 • SELECT COUNT(*)
299 FROM PLAYER_JT P
300 JOIN SEASON_JT S ON P.SEASON_ID_JT = S.SEASON_ID_JT
301 WHERE S.SEASON_NAME_JT = 'Spring 2021';
302
303 • SELECT COUNT(DISTINCT C.COACH_ID_JT)
304 FROM COACH_JT C
305 JOIN COACH_TEAM_JT CT ON C.COACH_ID_JT = CT.COACH_ID_JT
306 JOIN SEASON_JT S ON CT.SEASON_ID_JT = S.SEASON_ID_JT
307 WHERE S.SEASON_NAME_JT = 'Spring 2019';
308
309 • SELECT CONCAT(FIRST_NAME_JT, ' ', LAST_NAME_JT) AS player
310 FROM PLAYER_JT
311 WHERE JERSEY_NUMBER_JT = (SELECT MAX(JERSEY_NUMBER_JT) FROM PLAYER_JT);
312
313
314 • SELECT CONCAT(FIRST_NAME_JT, ' ', LAST_NAME_JT) AS coach
315 FROM COACH_JT
316 WHERE YEAR_STARTING_COACHING_JT = (SELECT MIN(YEAR_STARTING_COACHING_JT) FROM COACH_JT);
317
```

### Output:

✓	63	14:33:30	SELECT T.NAME_JT AS name, T.CONTACT_EMAIL_JT AS email FROM TEAM_JT T JOIN REGISTRATION_JT R ON T.TEAM_ID_JT ...
✓	64	14:33:30	SELECT D.AGE_JT AS age, D.PLAYER_SEX_JT AS gender, D.RANK_JT AS divrank, D.CONTACT_PHONE_JT AS phone, S.SEASO...
✓	65	14:33:30	SELECT T.NAME_JT AS team_name, D.AGE_JT AS age, D.PLAYER_SEX_JT AS gender, D.RANK_JT AS divrank FROM TEAM_JT ...
✓	66	14:33:30	SELECT T.NAME_JT AS team_name, C.NAME_JT AS club_name, T.BIRTH_YEAR_JT AS year_of_birth FROM TEAM_JT T JOIN CL...
✓	67	14:33:30	SELECT COUNT(*) FROM PLAYER_JT P JOIN SEASON_JT S ON P.SEASON_ID_JT = S.SEASON_ID_JT WHERE S.SEASON_NAME_JT = 'Spring...
✓	68	14:33:30	SELECT COUNT(DISTINCT C.COACH_ID_JT) FROM COACH_JT C JOIN COACH_TEAM_JT CT ON C.COACH_ID_JT = CT.COACH_ID_JT JOIN SE...
✓	69	14:33:30	SELECT CONCAT(FIRST_NAME_JT, ' ', LAST_NAME_JT) AS player FROM PLAYER_JT WHERE JERSEY_NUMBER_JT = (SELECT MAX(JERSEY...
✓	70	14:33:30	SELECT CONCAT(FIRST_NAME_JT, ' ', LAST_NAME_JT) AS coach FROM COACH_JT WHERE YEAR_STARTING_COACHING_JT = (SELECT MI...