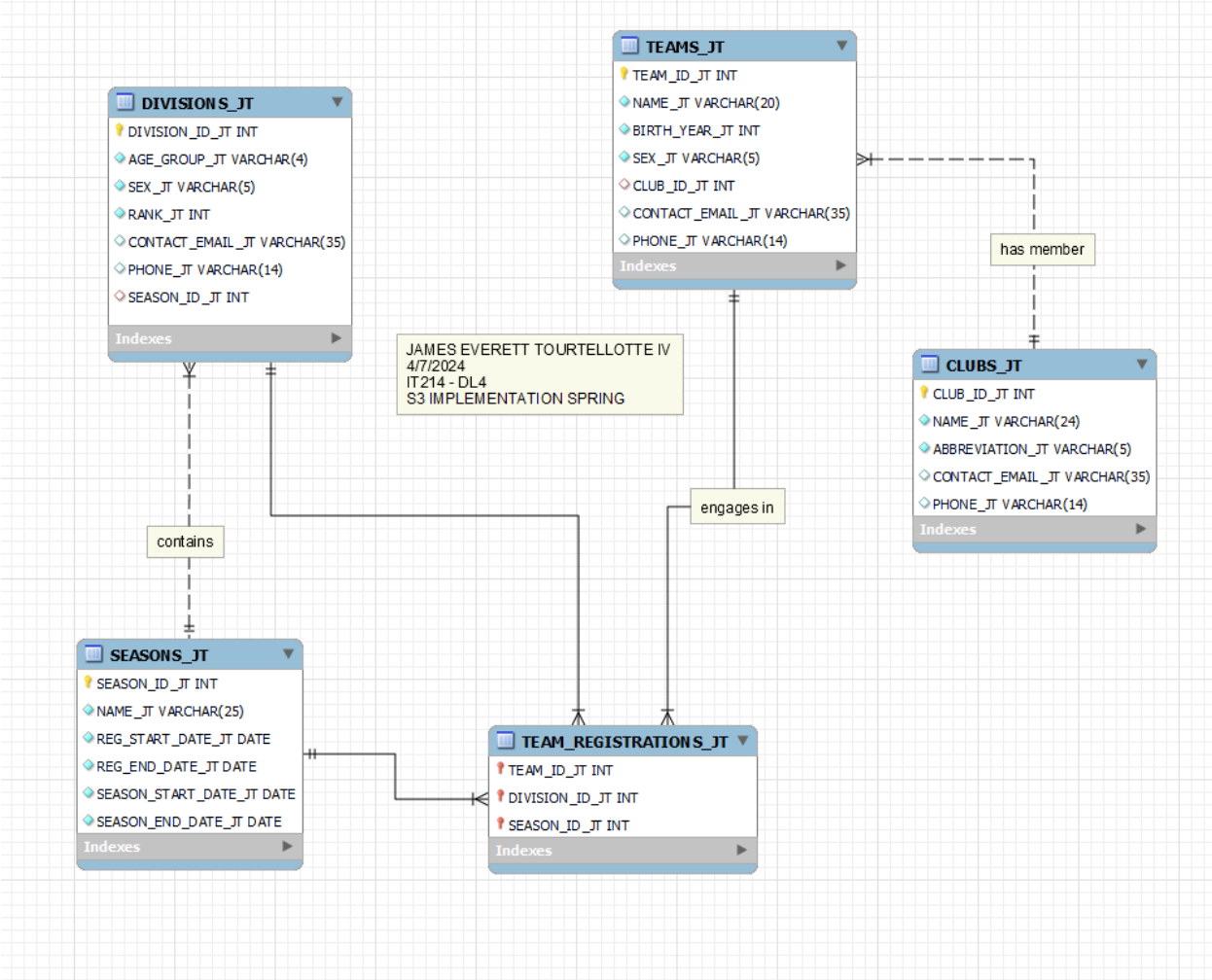
James Everett Tourtellotte IV
4/7/2023
IT 214 - DL4
S3 Implementation Assignment - SPRING

Full ERD



Task 2 - Create Database

Input:

```
1    -- Task 2 Create database by James Tourtellotte
2
3    DROP DATABASE IF EXISTS soccer_league_jt;
4    CREATE DATABASE soccer_league_jt;
5    USE soccer_league_jt;
6
7    -- Show all databases
8    SHOW DATABASES;
9
```

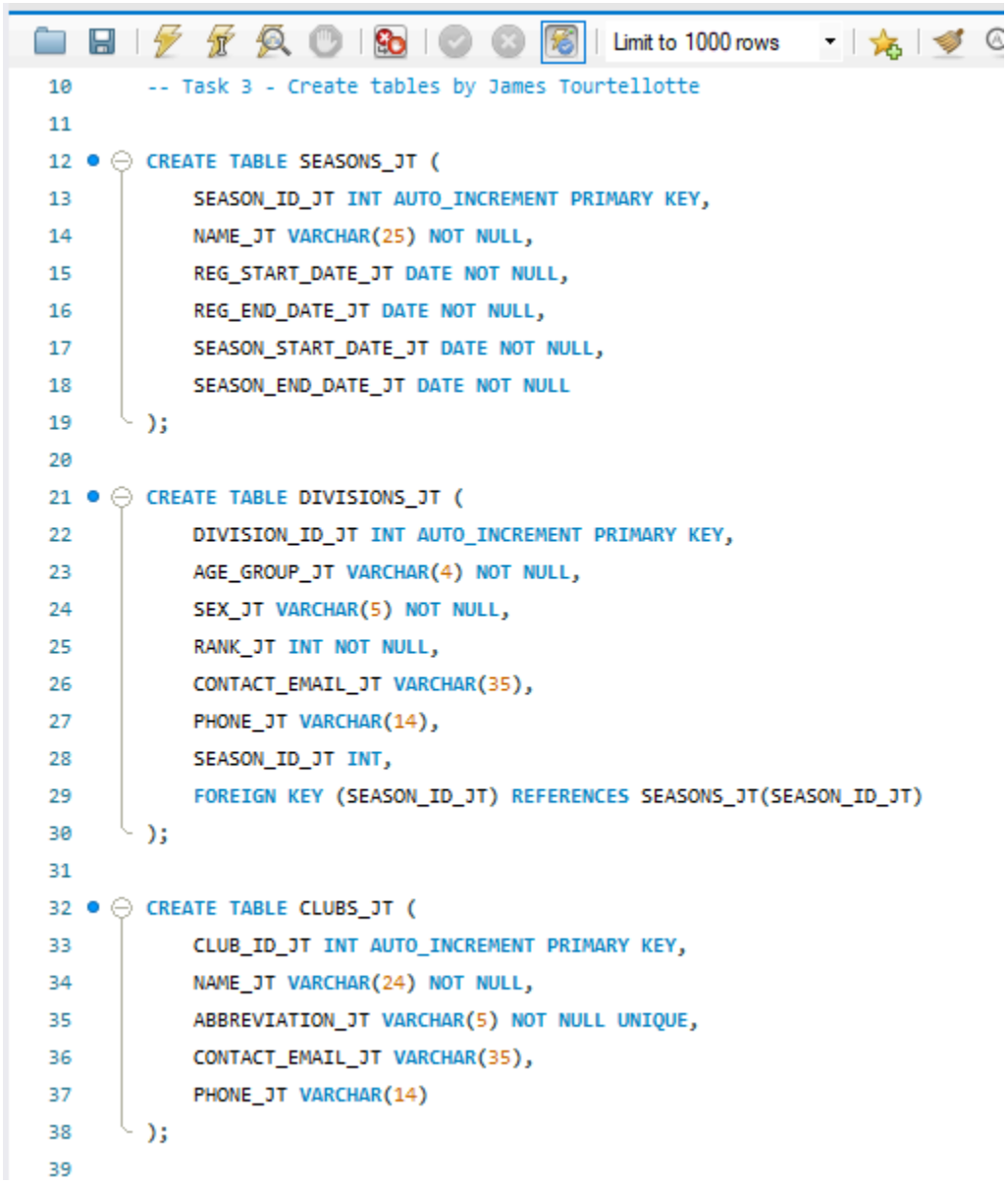
Output:

Action Output

#	Time	Action	Message
1	12:02:11	DROP DATABASE IF EXISTS soccer_league_jt	5 row(s) affected
2	12:02:12	CREATE DATABASE soccer_league_jt	1 row(s) affected
3	12:02:12	USE soccer_league_jt	0 row(s) affected
4	12:02:12	SHOW DATABASES	22 row(s) returned

Task 3 - Create Tables

Input 1/2:



Input 2/2:

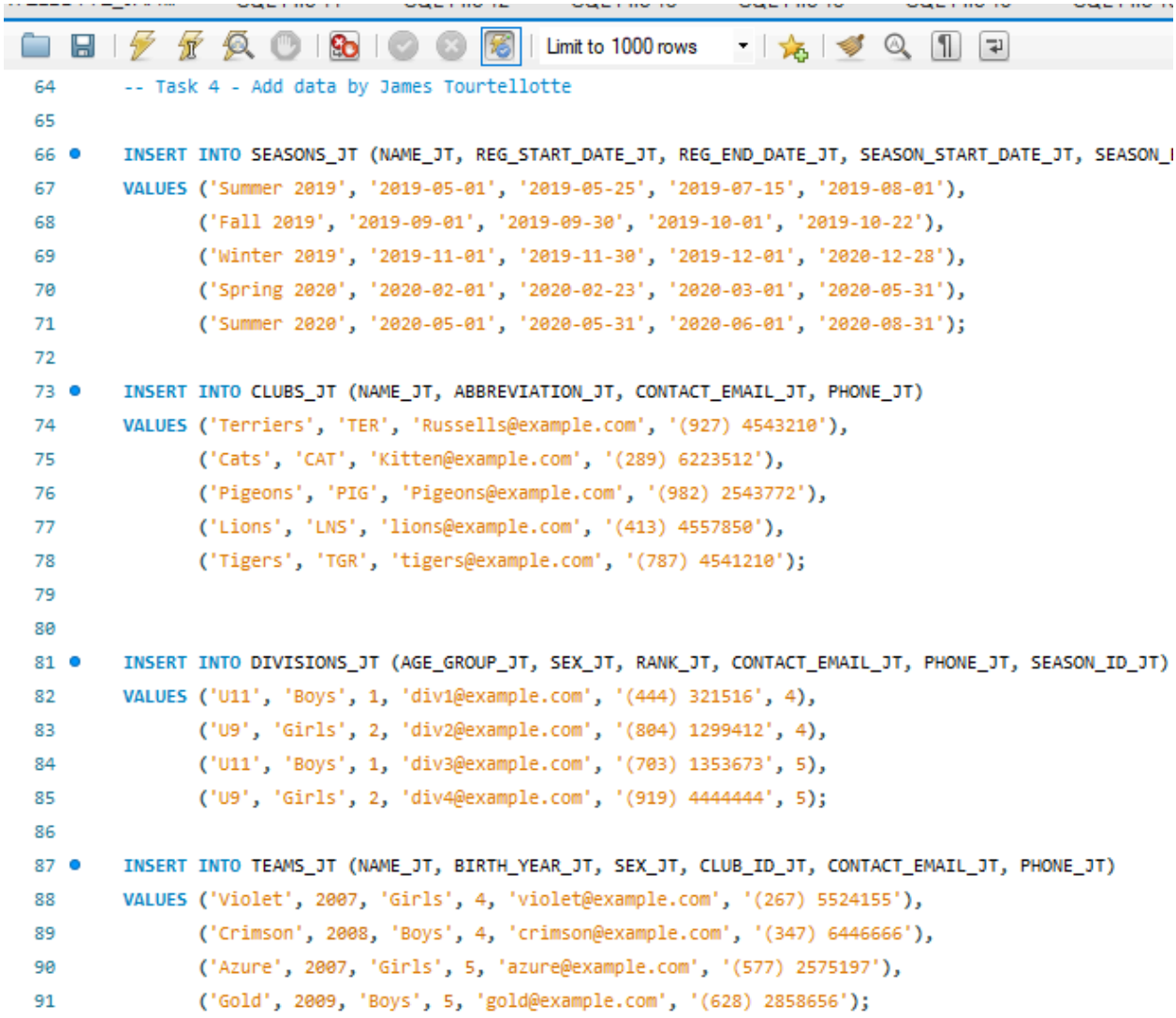
```
40  CREATE TABLE TEAMS_JT (
41      TEAM_ID_JT INT AUTO_INCREMENT PRIMARY KEY,
42      NAME_JT VARCHAR(20) NOT NULL,
43      BIRTH_YEAR_JT INT NOT NULL,
44      SEX_JT VARCHAR(5) NOT NULL,
45      CLUB_ID_JT INT,
46      CONTACT_EMAIL_JT VARCHAR(35),
47      PHONE_JT VARCHAR(14),
48      FOREIGN KEY (CLUB_ID_JT) REFERENCES CLUBS_JT(CLUB_ID_JT)
49  );
50
51  CREATE TABLE TEAM_REGISTRATIONS_JT (
52      TEAM_ID_JT INT,
53      DIVISION_ID_JT INT,
54      SEASON_ID_JT INT,
55      FOREIGN KEY (TEAM_ID_JT) REFERENCES TEAMS_JT(TEAM_ID_JT),
56      FOREIGN KEY (DIVISION_ID_JT) REFERENCES DIVISIONS_JT(DIVISION_ID_JT),
57      FOREIGN KEY (SEASON_ID_JT) REFERENCES SEASONS_JT(SEASON_ID_JT),
58      PRIMARY KEY (TEAM_ID_JT, DIVISION_ID_JT, SEASON_ID_JT)
59  );
60
```

Output:

✓	5	12:02:12	CREATE TABLE SEASONS_JT (SEASON_ID_JT INT AUTO_INCREMENT PRIMARY KEY, NAME_JT VARCHAR(25) NOT NULL, REG_ST...	0 row(s) affected
✓	6	12:02:12	CREATE TABLE DIVISIONS_JT (DIVISION_ID_JT INT AUTO_INCREMENT PRIMARY KEY, AGE_GROUP_JT VARCHAR(4) NOT NULL, S...	0 row(s) affected
✓	7	12:02:12	CREATE TABLE CLUBS_JT (CLUB_ID_JT INT AUTO_INCREMENT PRIMARY KEY, NAME_JT VARCHAR(24) NOT NULL, ABBREVIATION...	0 row(s) affected
✓	8	12:02:12	CREATE TABLE TEAMS_JT (TEAM_ID_JT INT AUTO_INCREMENT PRIMARY KEY, NAME_JT VARCHAR(20) NOT NULL, BIRTH_YEAR_...	0 row(s) affected
✓	9	12:02:12	CREATE TABLE TEAM_REGISTRATIONS_JT (TEAM_ID_JT INT, DIVISION_ID_JT INT, SEASON_ID_JT INT, FOREIGN KEY (TEAM_ID...	0 row(s) affected
✓	10	12:02:12	SHOW TABLES	5 row(s) returned

Task 4 - Add Data

Input 1/3 :



```
-- Task 4 - Add data by James Tourtellotte

INSERT INTO SEASONS_JT (NAME_JT, REG_START_DATE_JT, REG_END_DATE_JT, SEASON_START_DATE_JT, SEASON_
VALUES ('Summer 2019', '2019-05-01', '2019-05-25', '2019-07-15', '2019-08-01'),
       ('Fall 2019', '2019-09-01', '2019-09-30', '2019-10-01', '2019-10-22'),
       ('Winter 2019', '2019-11-01', '2019-11-30', '2019-12-01', '2020-12-28'),
       ('Spring 2020', '2020-02-01', '2020-02-23', '2020-03-01', '2020-05-31'),
       ('Summer 2020', '2020-05-01', '2020-05-31', '2020-06-01', '2020-08-31');

INSERT INTO CLUBS_JT (NAME_JT, ABBREVIATION_JT, CONTACT_EMAIL_JT, PHONE_JT)
VALUES ('Terriers', 'TER', 'Russells@example.com', '(927) 4543210'),
       ('Cats', 'CAT', 'Kitten@example.com', '(289) 6223512'),
       ('Pigeons', 'PIG', 'Pigeons@example.com', '(982) 2543772'),
       ('Lions', 'LNS', 'lions@example.com', '(413) 4557850'),
       ('Tigers', 'TGR', 'tigers@example.com', '(787) 4541210');


INSERT INTO DIVISIONS_JT (AGE_GROUP_JT, SEX_JT, RANK_JT, CONTACT_EMAIL_JT, PHONE_JT, SEASON_ID_JT)
VALUES ('U11', 'Boys', 1, 'div1@example.com', '(444) 321516', 4),
       ('U9', 'Girls', 2, 'div2@example.com', '(804) 1299412', 4),
       ('U11', 'Boys', 1, 'div3@example.com', '(703) 1353673', 5),
       ('U9', 'Girls', 2, 'div4@example.com', '(919) 4444444', 5);

INSERT INTO TEAMS_JT (NAME_JT, BIRTH_YEAR_JT, SEX_JT, CLUB_ID_JT, CONTACT_EMAIL_JT, PHONE_JT)
VALUES ('Violet', 2007, 'Girls', 4, 'violet@example.com', '(267) 5524155'),
       ('Crimson', 2008, 'Boys', 4, 'crimson@example.com', '(347) 6446666'),
       ('Azure', 2007, 'Girls', 5, 'azure@example.com', '(577) 2575197'),
       ('Gold', 2009, 'Boys', 5, 'gold@example.com', '(628) 2858656');
```

Task 4 - Continued
Output :

11	12:02:12	INSERT INTO SEASONS_JT (NAME_JT, REG_START_DATE_JT, REG_END_DATE_JT, SEASON_START_DATE_JT, SEASON_END_DATE_J...	5 row(s) affected	Records: 5 Duplicates: 0 Warnings: 0
12	12:02:12	INSERT INTO CLUBS_JT (NAME_JT, ABBREVIATION_JT, CONTACT_EMAIL_JT, PHONE_JT) VALUES ('Terriers', 'TER', 'Russells@example.com'...	5 row(s) affected	Records: 5 Duplicates: 0 Warnings: 0
13	12:02:12	INSERT INTO DIVISIONS_JT (AGE_GROUP_JT, SEX_JT, RANK_JT, CONTACT_EMAIL_JT, PHONE_JT, SEASON_ID_JT) VALUES ('U11', 'Boys'...	4 row(s) affected	Records: 4 Duplicates: 0 Warnings: 0
14	12:02:12	INSERT INTO TEAMS_JT (NAME_JT, BIRTH_YEAR_JT, SEX_JT, CLUB_ID_JT, CONTACT_EMAIL_JT, PHONE_JT) VALUES ('Violet', 2007, 'Girls...	4 row(s) affected	Records: 4 Duplicates: 0 Warnings: 0

Task 5 - Query the Data by James Tourtellotte

Input 1/4:

```sql
-- Task 5 - Query the data by James Tourtellotte
-- Query 1:
SELECT T.NAME_JT AS name, T.SEX_JT AS player
FROM TEAMS_JT T
JOIN TEAM_REGISTRATIONS_JT TR ON T.TEAM_ID_JT = TR.TEAM_ID_JT
JOIN SEASONS_JT S ON TR.SEASON_ID_JT = S.SEASON_ID_JT
WHERE S.NAME_JT = 'Winter 2019'
ORDER BY T.NAME_JT;
-- Query 2:
SELECT D.AGE_GROUP_JT AS Division, S.NAME_JT AS Season, S.SEASON_END_DATE_JT AS 'Season Ending Date'
FROM DIVISIONS_JT D
JOIN SEASONS_JT S ON D.SEASON_ID_JT = S.SEASON_ID_JT
JOIN TEAM_REGISTRATIONS_JT TR ON D.DIVISION_ID_JT = TR.DIVISION_ID_JT
JOIN TEAMS_JT T ON TR.TEAM_ID_JT = T.TEAM_ID_JT
WHERE T.NAME_JT = 'Violet'
ORDER BY S.NAME_JT;
-- Query 3:
SELECT T.NAME_JT AS Team, D.AGE_GROUP_JT AS Age, D.SEX_JT AS Players, D.RANK_JT AS 'Rank'
FROM TEAMS_JT T
JOIN CLUBS_JT C ON T.CLUB_ID_JT = C.CLUB_ID_JT
JOIN TEAM_REGISTRATIONS_JT TR ON T.TEAM_ID_JT = TR.TEAM_ID_JT
JOIN DIVISIONS_JT D ON TR.DIVISION_ID_JT = D.DIVISION_ID_JT
JOIN SEASONS_JT S ON TR.SEASON_ID_JT = S.SEASON_ID_JT
WHERE C.NAME_JT = 'Lions' AND S.NAME_JT = 'Winter 2019';
-- Query 4:
SELECT T.NAME_JT AS 'Team Name', C.NAME_JT AS 'Club Name', T.BIRTH_YEAR_JT AS 'Year of Birth'
FROM TEAM_REGISTRATIONS_JT TR
JOIN TEAMS_JT T ON TR.TEAM_ID_JT = T.TEAM_ID_JT
JOIN CLUBS_JT C ON T.CLUB_ID_JT = C.CLUB_ID_JT
JOIN DIVISIONS_JT D ON TR.DIVISION_ID_JT = D.DIVISION_ID_JT
JOIN SEASONS_JT S ON TR.SEASON_ID_JT = S.SEASON_ID_JT
WHERE S.NAME_JT = 'Winter 2019' AND D.AGE_GROUP_JT = 'U10'
ORDER BY T.NAME_JT;
```

Task 5 - Continued

Output 1/5:

✓	15	12:02:12	SELECT T.NAME_JT AS name, T.SEX_JT AS player FROM TEAMS_JT T JOIN TEAM_REGISTRATIONS_JT TR ON T.TEAM_ID_JT = TR.TEAM...	0 row(s) returned
✓	16	12:02:12	SELECT D.AGE_GROUP_JT AS Division, S.NAME_JT AS Season, S.SEASON_END_DATE_JT AS 'Season Ending Date' FROM DIVISIONS_JT D ...	0 row(s) returned
✓	17	12:02:12	SELECT T.NAME_JT AS Team, D.AGE_GROUP_JT AS Age, D.SEX_JT AS Players, D.RANK_JT AS 'Rank' FROM TEAMS_JT T JOIN CLUBS_JT ...	0 row(s) returned
✓	18	12:02:12	SELECT T.NAME_JT AS 'Team Name', C.NAME_JT AS 'Club Name', T.BIRTH_YEAR_JT AS 'Year of Birth' FROM TEAM_REGISTRATIONS_JT T...	0 row(s) returned
✓	19	12:02:12	SELECT * FROM SEASONS_JT LIMIT 0, 1000	5 row(s) returned
✓	20	12:02:12	SELECT * FROM CLUBS_JT LIMIT 0, 1000	5 row(s) returned
✓	21	12:02:12	SELECT * FROM DIVISIONS_JT LIMIT 0, 1000	4 row(s) returned
✓	22	12:02:12	SELECT * FROM TEAMS_JT LIMIT 0, 1000	4 row(s) returned
✓	23	12:02:12	SELECT * FROM TEAM_REGISTRATIONS_JT LIMIT 0, 1000	0 row(s) returned

Output 2/5:

SEASON_ID_JT	NAME_JT	REG_START_DATE_JT	REG_END_DATE_JT	SEASON_START_DATE_JT	SEASON_END_DATE_JT
1	Summer 2019	2019-05-01	2019-05-25	2019-07-15	2019-08-01
2	Fall 2019	2019-09-01	2019-09-30	2019-10-01	2019-10-22
3	Winter 2019	2019-11-01	2019-11-30	2019-12-01	2020-12-28
4	Spring 2020	2020-02-01	2020-02-23	2020-03-01	2020-05-31
5	Summer 2020	2020-05-01	2020-05-31	2020-06-01	2020-08-31
NULL	NULL	NULL	NULL	NULL	NULL

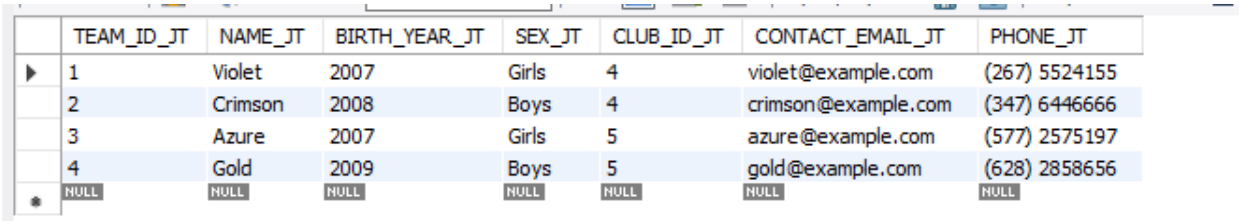
Output 3/5:

CLUB_ID_JT	NAME_JT	ABBREVIATION_JT	CONTACT_EMAIL_JT	PHONE_JT
1	Terriers	TER	Russells@example.com	(927) 4543210
2	Cats	CAT	Kitten@example.com	(289) 6223512
3	Pigeons	PIG	Pigeons@example.com	(982) 2543772
4	Lions	LNS	lions@example.com	(413) 4557850
5	Tigers	TGR	tigers@example.com	(787) 4541210
NULL	NULL	NULL	NULL	NULL

Output 4/5:

DIVISION_ID_JT	AGE_GROUP_JT	SEX_JT	RANK_JT	CONTACT_EMAIL_JT	PHONE_JT	SEASON_ID_JT
1	U11	Boys	1	div1@example.com	(444) 321516	4
2	U9	Girls	2	div2@example.com	(804) 1299412	4
3	U11	Boys	1	div3@example.com	(703) 1353673	5
4	U9	Girls	2	div4@example.com	(919) 4444444	5
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Output 5/5:



TEAM_ID_JT	NAME_JT	BIRTH_YEAR_JT	SEX_JT	CLUB_ID_JT	CONTACT_EMAIL_JT	PHONE_JT
1	Violet	2007	Girls	4	violet@example.com	(267) 5524155
2	Crimson	2008	Boys	4	crimson@example.com	(347) 6446666
3	Azure	2007	Girls	5	azure@example.com	(577) 2575197
4	Gold	2009	Boys	5	gold@example.com	(628) 2858656
NULL	NULL	NULL	NULL	NULL	NULL	NULL