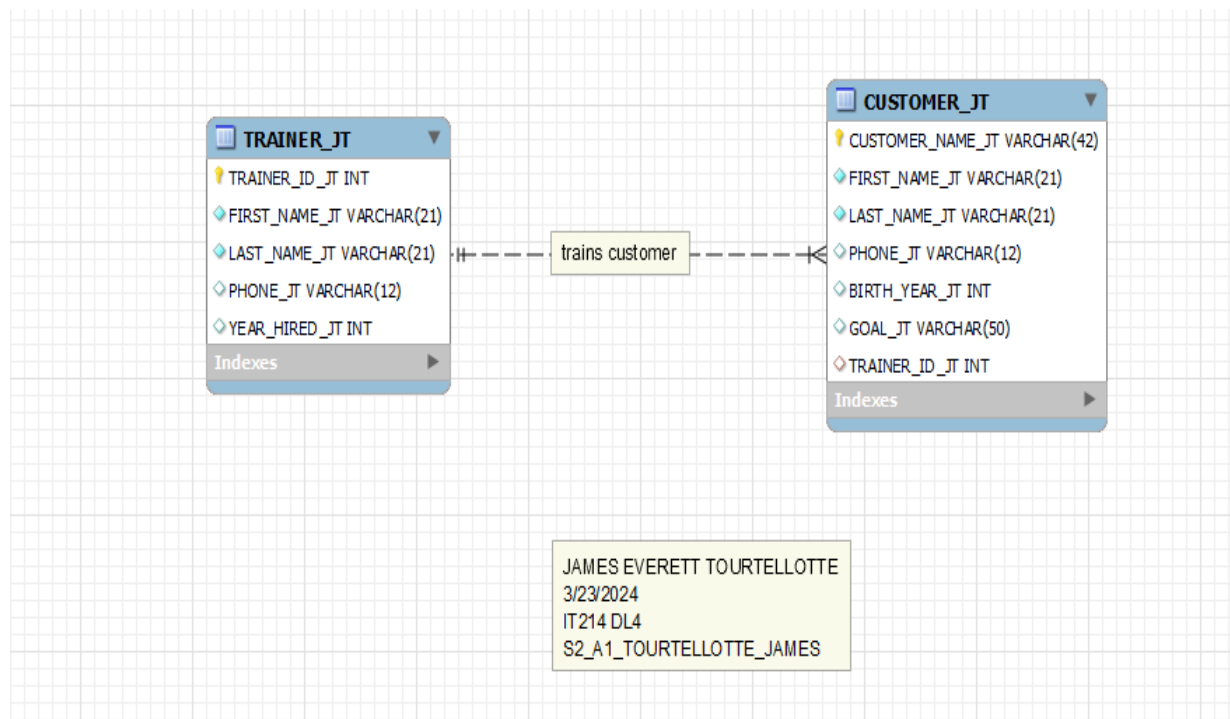


James Everett Tourtellotte
3/24/2024
IT 214 DL4
S2_A1_TOURTELLOTTE_JAMES

Full ERD -



Task 2 - CREATE THE DATABASE

INPUT

```
1  -- Task 2 Create Database by James Tourtellotte
2
3  • DROP DATABASE IF EXISTS FITNESS_JT;
4  • CREATE DATABASE FITNESS_JT;
5  • USE FITNESS_JT;
6  • SHOW DATABASES;
```

OUTPUT

#	Time	Action	Message
✓ 1	12:07:24	DROP DATABASE IF EXISTS FITNESS_JT	2 row(s) affected
✓ 2	12:07:24	CREATE DATABASE FITNESS_JT	1 row(s) affected
✓ 3	12:07:24	USE FITNESS_JT	0 row(s) affected
✓ 4	12:07:24	SHOW DATABASES	22 row(s) returned

TASK 3 - CREATE TABLE

INPUT

```

8      -- Task 3 - Create Tables by James Tourtellotte
9  •   SHOW TABLES;
10  •   CREATE TABLE TRAINER_JT (
11      TRAINER_ID_JT INT(1),
12      FIRST_NAME_JT VARCHAR(21) NOT NULL,
13      LAST_NAME_JT VARCHAR(21) NOT NULL,
14      PHONE_JT VARCHAR(12),
15      YEAR_HIRED_JT INT(4),
16      PRIMARY KEY (TRAINER_ID_JT)
17  );
18
19  •   CREATE TABLE CUSTOMER_JT (
20      CUSTOMER_NAME_JT VARCHAR(42),
21      FIRST_NAME_JT VARCHAR(21) NOT NULL,
22      LAST_NAME_JT VARCHAR(21) NOT NULL,
23      PHONE_JT VARCHAR(12),
24      BIRTH_YEAR_JT INT(4),
25      GOAL_JT VARCHAR(50),
26      TRAINER_ID_JT INT,
27      PRIMARY KEY (CUSTOMER_NAME_JT),
28      FOREIGN KEY (TRAINER_ID_JT) REFERENCES TRAINER_JT(TRAINER_ID_JT)
29  );
30  •   SHOW TABLES;
31  •   DESCRIBE TRAINER_JT;
32  •   DESCRIBE CUSTOMER_JT;

```

OUTPUT, TABLE

Result Grid

Filter Rows:

Edit:

Export/Import:

	TRAINER_ID_JT	FIRST_NAME_JT	LAST_NAME_JT	PHONE_JT	YEAR_HIRED_JT
▶	1	William	Jones	275-221-1988	2016
	2	Kensey	Smith	145-443-2611	2016
	3	Mark	Davidson	375-354-6766	2011
	4	Edna	Wilson	335-998-4445	2012
	5	Michael	Anderson	221-241-6233	2022

	CUSTOMER_NAME_JT	FIRST_NAME_JT	LAST_NAME_JT	PHONE_JT	BIRTH_YEAR_JT	GOAL_JT	TRAINER_ID_JT
▶	David Robinson	David	Robinson	275-881-2233	1978	muscle gain	3
	Jessica Lee	Jessica	Lee	155-245-2488	2001	overall fitness	4
	Robert Garcia	Robert	Garcia	675-751-8822	1988	building endurance	1
	Sue Martinez	Sue	Martinez	995-112-4433	1995	weight loss	2
	Sue Taylor	Sue	Taylor	166-696-3455	1985	strength training	3
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

TASK 4 ADD DATA

INPUT

```
35  -- Task 4 - Add data by James Tourtellotte
36  • SELECT * FROM TRAINER_JT;
37  • SELECT * FROM CUSTOMER_JT;
38
39  • INSERT INTO TRAINER_JT (TRAINER_ID_JT, FIRST_NAME_JT, LAST_NAME_JT, PHONE_JT, YEAR_HIRED_JT) VALUES
40      ('1', 'William', 'Jones', '275-221-1988', 2016),
41      ('2', 'Kensey', 'Smith', '145-443-2611', 2016),
42      ('3', 'Mark', 'Davidson', '375-354-6766', 2011),
43      ('4', 'Edna', 'Wilson', '335-998-4445', 2012),
44      ('5', 'Michael', 'Anderson', '221-241-6233', 2022);
45
46  • INSERT INTO CUSTOMER_JT (CUSTOMER_NAME_JT, FIRST_NAME_JT, LAST_NAME_JT, PHONE_JT, BIRTH_YEAR_JT, GOAL_JT, TRAINER_ID_JT) VALUES
47      ('Robert Garcia', 'Robert', 'Garcia', '675-751-8822', 1988, 'building endurance', '1'),
48      ('Sue Martinez', 'Sue', 'Martinez', '995-112-4433', 1995, 'weight loss', '2'),
49      ('David Robinson', 'David', 'Robinson', '275-881-2233', 1978, 'muscle gain', '3'),
50      ('Jessica Lee', 'Jessica', 'Lee', '155-245-2488', 2001, 'overall fitness', '4'),
51      ('Sue Taylor', 'Sue', 'Taylor', '166-696-3455', 1985, 'strength training', '3');
52
53  • SELECT * FROM TRAINER_JT;
54  • SELECT * FROM CUSTOMER_JT;
```

OUTPUT, TABLE

Result Grid						Filter Rows:	Edit:	Export/Import:
	TRAINER_ID_JT	FIRST_NAME_JT	LAST_NAME_JT	PHONE_JT	YEAR_HIRED_JT			
▶	1	William	Jones	275-221-1988	2016			
	2	Kensey	Smith	145-443-2611	2016			
	3	Mark	Davidson	375-354-6766	2011			
	4	Edna	Wilson	335-998-4445	2012			
	5	Michael	Anderson	221-241-6233	2022			

	CUSTOMER_NAME_JT	FIRST_NAME_JT	LAST_NAME_JT	PHONE_JT	BIRTH_YEAR_JT	GOAL_JT	TRAINER_ID_JT
▶	David Robinson	David	Robinson	275-881-2233	1978	muscle gain	3
	Jessica Lee	Jessica	Lee	155-245-2488	2001	overall fitness	4
	Robert Garcia	Robert	Garcia	675-751-8822	1988	building endurance	1
	Sue Martinez	Sue	Martinez	995-112-4433	1995	weight loss	2
	Sue Taylor	Sue	Taylor	166-696-3455	1985	strength training	3
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

TASK 5 QUERY THE DATA INPUT

```

56  -- Task 5 - Query the data by James Tourtellotte
57  -- First Query by James Tourtellotte
58  •  SELECT
59      t.FIRST_NAME_JT AS Trainer_First,
60      t.LAST_NAME_JT AS Trainer_Last,
61      c.FIRST_NAME_JT AS Customer_First,
62      c.LAST_NAME_JT AS Customer_Last
63  FROM TRAINER_JT t
64  JOIN CUSTOMER_JT c ON t.TRAINER_ID_JT = c.TRAINER_ID_JT;
65  -- Second Query by James Tourtellotte
66  •  SELECT
67      CONCAT(c.FIRST_NAME_JT, ' ', c.LAST_NAME_JT) AS Customer
68  FROM CUSTOMER_JT c
69  WHERE c.TRAINER_ID_JT = 3;
70  -- Third Query by James Tourtellotte
71  •  SELECT
72      CONCAT(t.FIRST_NAME_JT, ' ', t.LAST_NAME_JT) AS Trainer,
73      CONCAT(c.FIRST_NAME_JT, ' ', c.LAST_NAME_JT) AS Customer
74  FROM TRAINER_JT t
75  JOIN CUSTOMER_JT c ON t.TRAINER_ID_JT = c.TRAINER_ID_JT
76  WHERE c.FIRST_NAME_JT = 'Sue';
77  -- Fourth Query by James Tourtellotte
78  •  SELECT
79      CONCAT(t.LAST_NAME_JT, ', ', t.FIRST_NAME_JT) AS Trainer,
80      CONCAT(c.FIRST_NAME_JT, ' ', c.LAST_NAME_JT) AS Customer
81  FROM TRAINER_JT t
82  JOIN CUSTOMER_JT c ON t.TRAINER_ID_JT = c.TRAINER_ID_JT
83  WHERE t.YEAR_HIRED_JT > 2015;

```

OUTPUT

Query 1

	Trainer_First	Trainer_Last	Customer_First	Customer_Last
▶	William	Jones	Robert	Garcia
	Kensey	Smith	Sue	Martinez
	Mark	Davidson	David	Robinson
	Mark	Davidson	Sue	Taylor
	Edna	Wilson	Jessica	Lee

Query 2

	Customer
▶	David Robinson
	Sue Taylor

Query 3

	Trainer	Customer
▶	Kensey Smith	Sue Martinez
	Mark Davidson	Sue Taylor

Query 4

	Trainer	Customer
▶	Jones, William	Robert Garcia
	Smith, Kensey	Sue Martinez