

JOINS IN MYSQL

Left DANCE

ID	Name
1	ARNOLD
2	BOB
3	CAT
4	DOG

INNER JOIN

ID	Name	X	Y
3	CAT	-	-
4	DOG	-	-

Right MUSIC

ID	Name
3	CAT
4	DOG
5	LION
6	BEAR

Q1. Who are doing dance as well as music

* Note Join happens on a column

DANCE

ID	Name
1	ARNOLD
2	BOB
3	CAT
4	DOG

Left Join

ID^D	$Name^D$	ID^M	$Name^M$
1	Arnold	NULL	NULL
2	Bob	NULL	NULL
3	Cat	3	CAT
4	Dog	4	DOG

Left

MUSIC

ID	Name
3	CAT
4	DOG
5	LION
6	BEAR

Right

DANCE

ID	Name
1	ARNOLD
2	BOB
3	CAT
4	DOG

Left

Right Join

ID	Name	ID	NAME
3	CAT	3	CAT
4	DOG	4	DOG
5	LION	NONE	NONE
6	BEAR	NONE	NONE

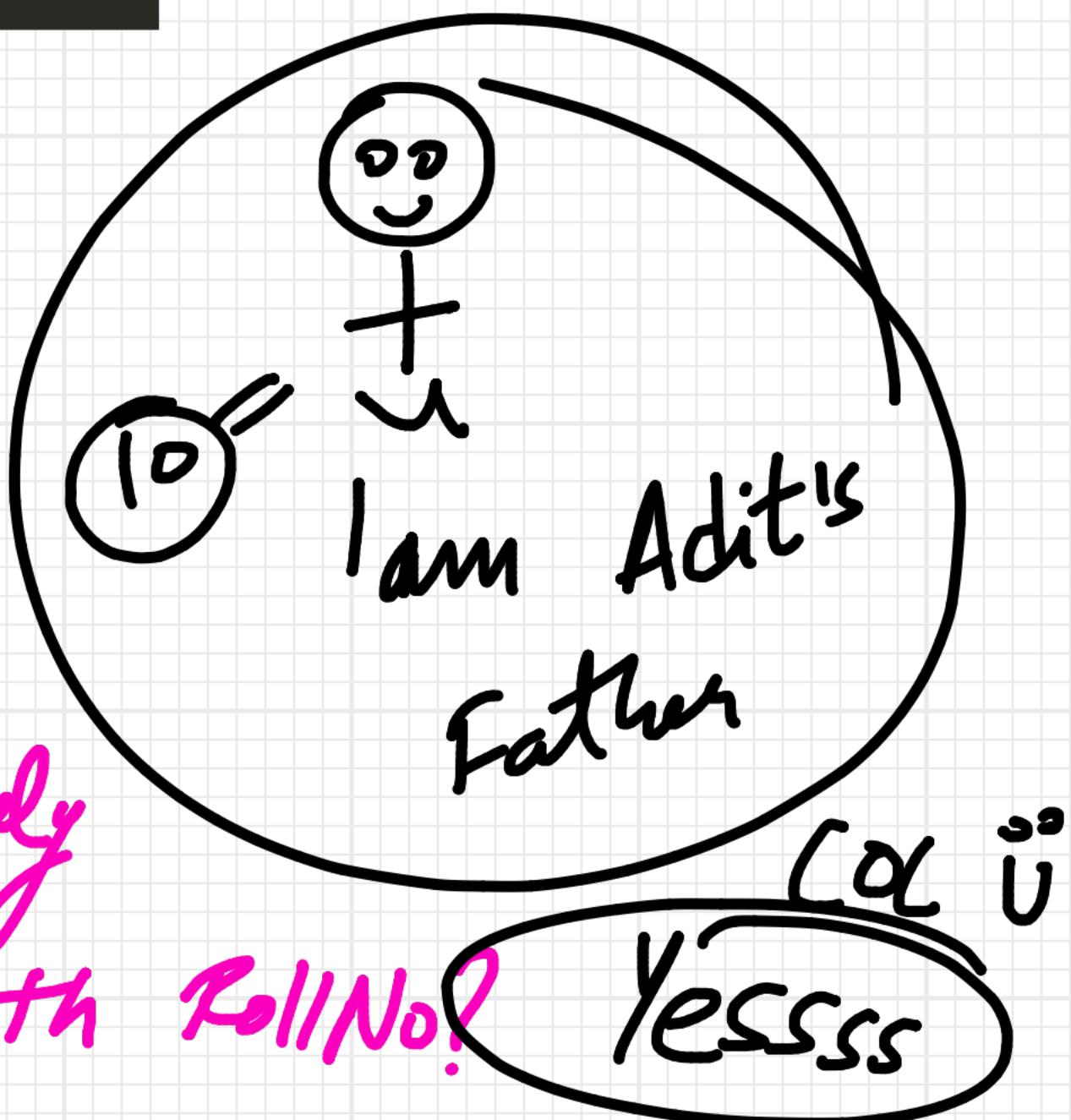
MUSIC

ID	Name
3	CAT
4	DOG
5	LION
6	BEAR

Right

a primary key is a specific choice of a minimal set of columns that uniquely specify a row in a table.

Roll No	Name	Age
10	Adit	18
11	Molit	18
12	Rolit	17
13	Adit	18



FIRST NAME	LAST NAME	MARKS	AGE	CITY
MOKIT	SINGH	80	18	Mumbai
ROKIT	SINGH	80	17	Mumbai
MOUIT	KUMAR	80	18	Bangalore
ROUIT	KUMAR	80	17	Chennai

✓

Minimal

initial set of columns

Employee

emp_id	first_name	last_name	birth_date	sex	salary	super_id	branch_id
100	David	Wallace	1967-11-17	M	250,000	NULL	1
101	Jan	Levinson	1961-05-11	F	110,000	100	1
102	Michael	Scott	1964-03-15	M	75,000	100	2
103	Angela	Martin	1971-06-25	F	63,000	102	2
104	Kelly	Kapoor	1980-02-05	F	55,000	102	2
105	Stanley	Hudson	1958-02-19	M	69,000	102	2
106	Josh	Porter	1969-09-05	M	78,000	100	3
107	Andy	Bernard	1973-07-22	M	65,000	106	3
108	Jim	Halpert	1978-10-01	M	71,000	106	3

Branch

branch_id	branch_name	mgr_id	mgr_start_date
1	Corporate	100	2006-02-09
2	Scranton	102	1992-04-06
3	Stamford	106	1998-02-13

Works With

emp_id	client_id	total_sales
105	400	55,000
102	401	267,000
108	402	22,500
107	403	5,000
108	403	12,000
105	404	33,000
107	405	26,000
102	406	15,000
105	406	130,000

Client

client_id	client_name	branch_id
400	Dunmore Highschool	2
401	Lackawana Country	2
402	FedEx	3
403	John Daly Law, LLC	3
404	Scranton Whitepages	2
405	Times Newspaper	3
406	FedEx	2

Branch Supplier

branch_id	supplier_name	supply_type
2	Hammer Mill	Paper
2	Uni-ball	Writing Utensils
3	Patriot Paper	Paper
2	J.T. Forms & Labels	Custom Forms
3	Uni-ball	Writing Utensils
3	Hammer Mill	Paper
3	Stamford Lables	Custom Forms

Supervision of this employee.

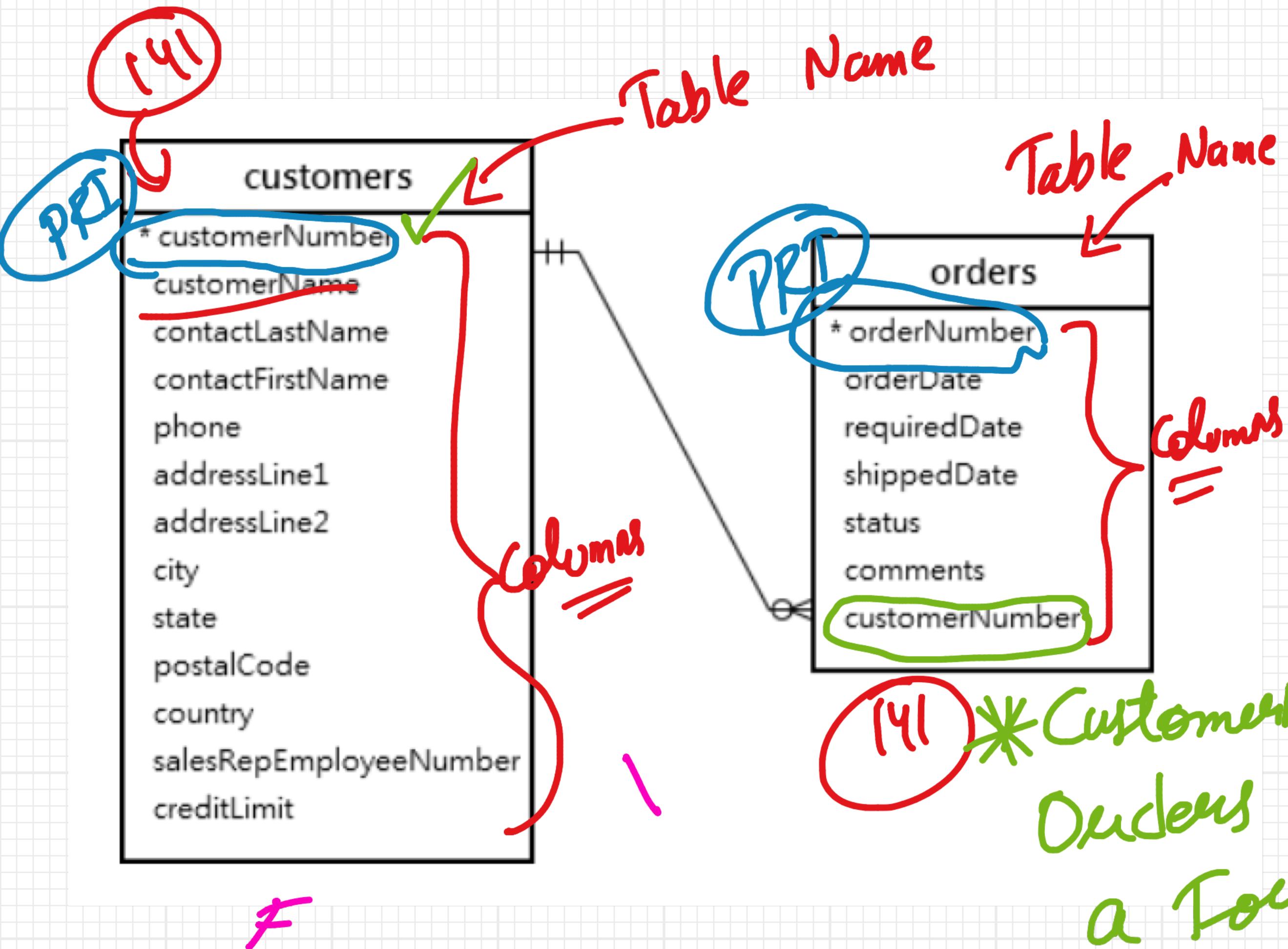
Red colored column

is Primary Key here. ✓

green colored columns and Foreign Keys

a foreign key is a set of attributes in a table that refers to the primary key of another table. The foreign key links these two tables.|

Columns



141 * CustomerNumber
Orders Table
a Foreign Key

in
95