

Name: _____

QUIZ 15 - ICS 321 Fall 2017

Today we went over the database for the Toastmasters Database project.

The header for the Availability table contains a member key, the member's name, and a date named for each meeting. (Notice columns E through YG are not shown.)

	A	B	C	D	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR
1	Key	Name	2-Mar-05	9-Mar-05	20-Sep-17	27-Sep-17	4-Oct-17	11-Oct-17	18-Oct-17	25-Oct-17	1-Nov-17	8-Nov-17	15-Nov-17	22-Nov-17	29-Nov-
2	AM1	Alli Moloney													
3	CC1	Connie Chang													
4	DB1	Don Baluran				X		X				X			
5	DF1	Doug Forrest													
6	DO1	Dave Oberheu													
7	DP1	Dave Palomares													
8	EI1	Elden Ito													
9	GC1	Greg Ching													
10	GL1	Gabriela Layi													
11	GL2	Gabriela Layi													
12	GN1	Gabriela Noriega			X		X		X	X		X	X		
13	GS1	Glenn Simcox													
14	GY1	Greg Yuen													
15	HR1	Harvey Rackmil			X		X		X		X		X		
16	HS1	Helen Smalley-Bower													
17	IC1	Irene Chun													
18	JC1	Jacob Chase													
19	JC2	Johnny Cantillo													
20	JD1	Jeff Davis					X	X	X	X	X	X	X	X	X

The table stores an X for dates the member cannot attend, and an empty string (not NULL) otherwise.

Propose a new set of tables that would accomplish the same thing but where the number of attributes in each table remains fixed. Be sure to identify the keys and foreign keys.