Ziyan Liu

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Q1.

1. medical office

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Doctor Name | Phone Number | Address | Work  Shift | Experience  (Year) | Medical ID  number |
| Noah | 647-111-2222 | 155 Bonis Ave | 1st shift | 3 | 98765 |
| Oliver | 647-333-4444 | 154 Bonis Ave | 1st shift | 6 | 76543 |
| George | 647-555-6666 | 153 Bonis Ave | 2rd shift | 4 | 65432 |

b) Relationship is two or more entities have same attributes or connections. There are three types of relationship: one to one, one to many, many to many.

- doctors have their own phone number, it’s unique. (One to one)

- doctor’s work shift can change to different time periods. (Many to many)

-doctor’s work experience may cover different types of work experience (one to many)

Q2.

a)

Students

Scores

Test

b)

Employees

Apartment

Employee

Placement Test

c)

One session

3.

A) The file contains 7 records. There are 5 fields per record.

b) The city “Gainesville” will list many times. It will cause data redundancies. The proper way to fix it is create another table and list manager’s address.

c) list project manager’s name separately . like MANAGER\_LASTNAME and MANAGER\_FIRSTNAME.

d) the same Project manager’s name and same address. This could cause error when database manager want to check the document and view the data.

Multiple sessions

Registration

Speakers

Attendee