

PROJECT # 1

HOSPITAL DATABASE

DATABASE SYSTEMS

PREPARED BY

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Project #1

HOSPITAL DATABASEINPUT DATABASE*hospital(id, x, y)*

This relation contains the addresses of the various hospitals in the Lincoln area. There are five hospitals with IDs 1 through 5.

zip(id, x, y)

This relation contains the various zip codes and their area within the Lincoln area. There are seven zip codes with IDs 1 through 7.

pat_add(id, x, y)

This relation contains the addresses of the patients admitted in any one of the hospitals in the Lincoln area. There are 30 patients.

pat_info(id, age, place)

This relation contains the age of the patients in the Lincoln area.

doc_add(id, x, y)

This relation contains the addresses of the doctors working in the hospitals in the Lincoln area. There are 15 doctors.

doc_info(id, age, spec, hosp)

This relation contains the doctor's age, his specialty and the hospital where he works. The specialties are as follows:

1	Cardiology
2	Urology
3	Gynaecology
4	Neurology
5	Radiology
6	Paediatrics
7	ENT

temperature(id, x, y)

This relation gives the temperature y of a patient id at any given time x in minutes. x can have values 0 through 1440, and y can have values 90 through 105.

low_bp(id, x, y)

This relation gives the low blood pressure y of a patient id at any given time x in minutes. x can have values 0 through 1440, and y can have values 50 through 110.

high_bp(id, x, y)

This relation gives the high blood pressure y of a patient id at any given time x in minutes. x can have values 0 through 1440, and y can have values 90 through 160.

treat(docid, patid)

This relation contains the information as to which doctor treats which patient.

SQL QUERIES

Following are the queries that we have executed successfully.

Iconic:

For each iconic query provide the following:

The iconic query

Such as:

INTERSECT: Find the address of those doctors who are also patients.

Describe the process

The output relation

Sample of basic query

Basic:

1. Find the age of the patient whose id is 3.

Click [Qs], click SQL – Basic.

Enter the following the respective fields.

Actual query!

Output?

Continue with the rest of the answers!!!