

Assignment 1

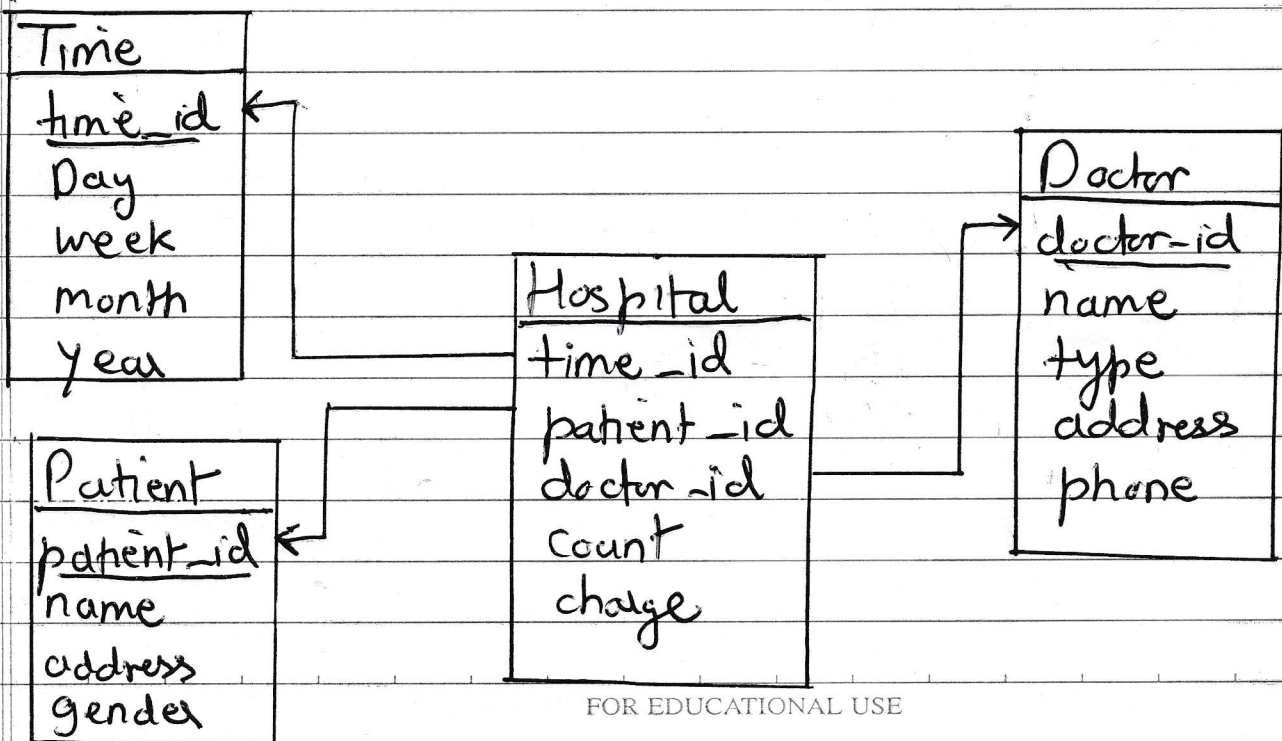
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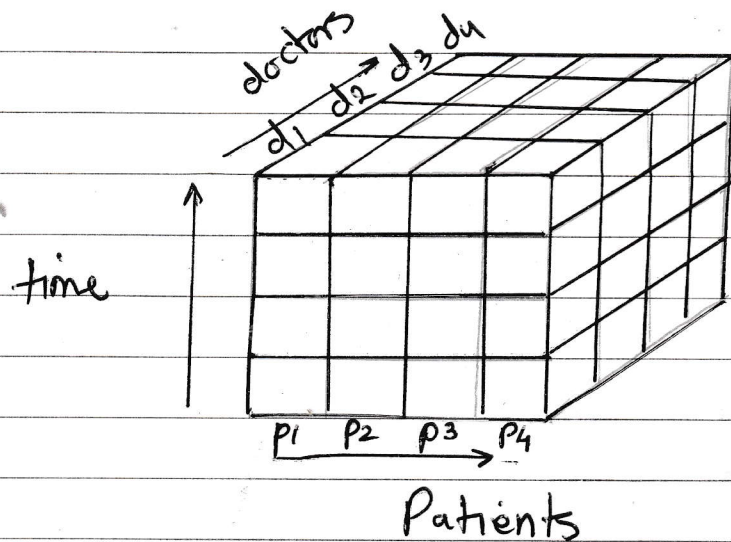
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Q1) Suppose that a data warehouse consists of the three dimensions time, doctor & patient & the two measures count & charge, where charge is the fee that a doctor charges a patient for a visit. Draw a star schema diagram for the above data warehouse.

Starting with the base cuboid [day, doctor, patient]. What specific OLAP operations should be performed in order to list the total fee collected by each doctor in 2010?





Operations to perform:

- i) Rollup on time from day to year
- ii) A slice operation on time with year = 2010
- iii) Roll up on patient from individual to all