ملاحظه : أجب عن خمسةً اسئلةً فقط على ان يكون السؤال الثالث من ضمنها

الدرجات توزع بالتساوي على الاسئله الخمسه

Q.1 How many categories can be organized the measures and computation of data cube, based on the kind of aggregate functions used. Explain them with examples.

Q.2 Explain with example a stare net query model for querying multidimensional database.

Q.3 Suppose a data warehouse consist of four dimensions Date, Spectator, Location, and Game, and two measures Count and Charge, where charge is the fare that a spectator pays when watching a game on a given date.
   a. Draw a star schema diagram for the data warehouse.
   b. Starting with the base cuboid [date, spectator, location, game], what specific OLAP operations should one perform in order to list the total charge paid by spectators at 2010.
   c. If each dimension has five levels (including all), how many cuboids will this cube contain.

Q.4 What are the steps may data warehouse consist of from the software engineering point of view.

Q.5 Discuss " The meaning of partial materialization and choices for data cube materialization " How can we use multi way array aggregation in the computation of data cubes.

Q.6 What are the differences between the three main types of data warehouse usage: information processing, analytical processing, and data mining? Discuss the motivation behind OLAP mining (OLAM).

مع التمنيات بالنجاح

مدرس الماده : د. سعد كاظم مجيد