

# DATA WAREHOUSING AND DATA MINING

## ASSIGNMENT 2

- Q 1. Define OLAP and 12 guidelines of E.F.Codd.
- Q2. Compare OLAP and OLTP.
- Q3. What do you mean by the word hypercube? Explain with an example of 4 dimension problem.
- Q 4. Explain following terms:
- a) Roll up
  - b) Drill down
  - c) Slice
  - d) Dice
- Q5. Explain different OLAP models. Also, differentiate between them.
- Q6. Differentiate between fully additive and Semi Additive Measures.
- Q7. Explain types of levels of data in OLAP system.
- Q8. Why ER modeling is suitable for OLTP systems?
- Q9. Why dimensional modeling is suitable for Data Warehousing?
- Q10. Explain star schema. Why it is called star schema and what are its merits and demerits (if any) ?
- Q11. What are the merits of keeping the fact table at the lowest grain?
- Q12. Differentiate between cubes and star schema and also find similarities between them.
- Q13. What are non-addictive facts?
- Q14. What is cube in data warehousing concept?
- Q15. What is dimensional modeling?
- Q 16. Can dimensional table contain numeric values?
- Q17. Why operational system primary key not the primary key of the data warehouse?  
Describe the composition of the primary keys for the dimension and fact table.
- Q18. Explain star join and star index.
- Q19. Explain RCD and junk dimensions with their significance.
- Q20. A Dimension table is wide; the Fact table is deep. Explain?

**Last Date to submit the assignment is 24<sup>th</sup> March, 2014**

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