Assignment 1

Sub: Database Management System
Class: B.E. I.T.   SEM: V   Faculty: Krupa Patel   2010

No. Answer the following Questions.
1. Explain the drawback of File system.
2. Explain Mapping Cardinalities with Example.
3. List out major steps to create Database.
4. Explain primary key, super key and candidate key with Example
5. Explain Inner Join, Left outer join and Right outer join with Example.
6. Explain Assertion and Trigger with Example.
7. Explain constraint on generalization
8. Explain total participation and partial participation.
9. Consider the relational database
   employee (*person-name*, *street*, *city*)
   works (*person-name*, *company-name*, *salary*)
   company (*company-name*, *city*)
   manages (*person-name*, *manager-name*)
   Where the primary keys are underlined. Give an expression in the relational algebra to express each of the following queries:
   a. Find the names of all employees who work for First Bank Corporation.
   b. Find the names and cities of residence of all employees who work for First Bank Corporation.
   c. Find the names of all employees in this database who live in the same city as the company for which they work.
10. Write down TRC for the above queries.