

**BSc (Hons) in Information Technology – Year 2**



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**Tutorial 08**

IE2042 – Database Management Systems for Security Semester 1, 2021

1. What is a transaction? Explain with an example.
2. What are the outcomes of a transaction?
3. What are the properties of a transaction? Briefly explain each property.
4. What properties does the Recovery Manager Guarantees to protect?
5. What are the desired behaviors of the following transactions?

T1 T2 T3 T4 T5

**crash!**

1. Briefly explain the following terms in database transactions: Serial Schedule and Serializable Schedule
2. List the possible conflicts to arise with interleaving actions of transactions.
3. What are the solutions to overcome the problems that occur during interleaving?