CIT6114 - Database Fundamentals

Lab 3

Part A: Discussion

Q1. How are *many-to-many relationships* (M:N) addressed in the development of an E-R diagram?

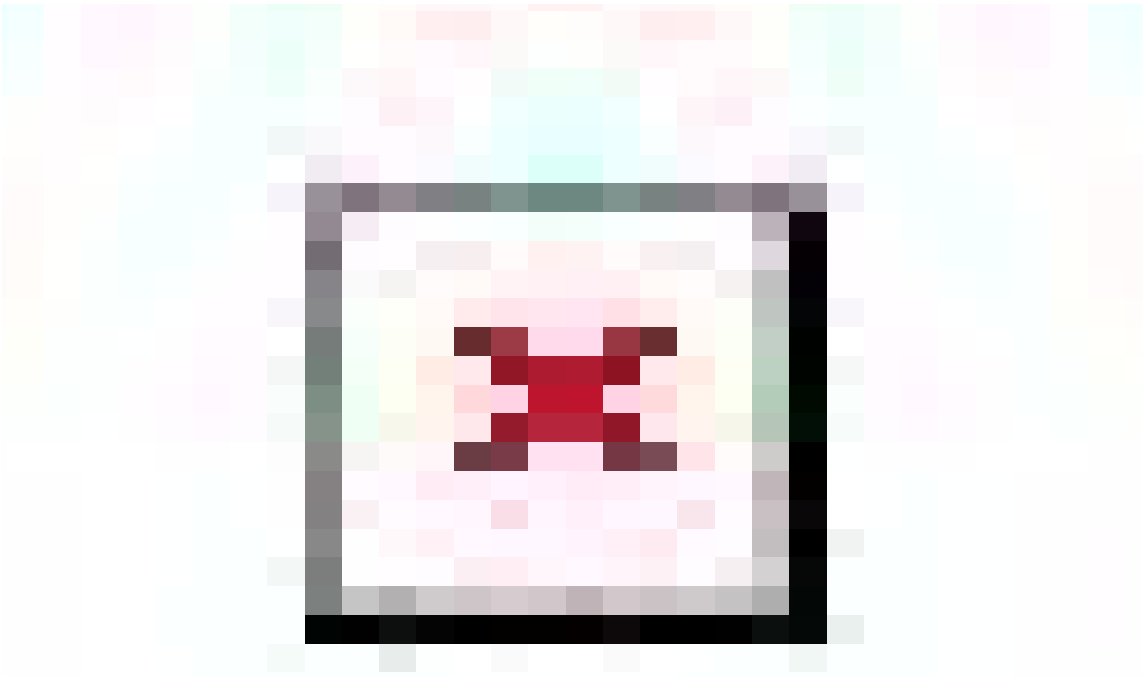
Give an example of a M:N relationship and explain how it is addressed for the internal model.

Q2. What is the difference between a composite **key**, a composite **attribute** and a composite **entity**?

Q3. What is a derived attribute? Give an example.

Q4. Explain briefly the THREE data abstraction levels.

Q5. Draw a Crowfoot diagram based on the following diagram:



Part B: IBM DB2 (Self-Learning)

1. Create a database, connect to the database, followed by a table to store the rows of Table1 (in Q6 of Part A). If time permits, discuss with your tutor on the suitable data types for Table1 based on the sample data.
2. Referring to No 1, you should have created a database for storing Table1. Please do so if you have not.
3. Now enter the following sample records into Table1:

Code	CourseName	Credit
TCP1101	Programming	4
TIS1001	Computer	4
TMT1001	Algebra	4
MGT2102	Business	2