**Data Structures : MCQ Question paper and Answer sheet development**

**Objective** :To develop M number of MCQ Question Papers and M Answer sheets using various Data structure :

**Disadvantages of the existing system:**

1. Manual dependency resulting in the delay of Question Paper Development.

**New system development : From Class of CS102 B Section - Project Teams**

* Hardware and System Software requirements : Not required

**Facilities to be designed and developed :**

1. For a given number(N) of Question Papers, Develop K number of MCQ Questions and respective answer file.
2. Select N value such that N is <= 15 and >10
3. Select K Value such that K is <= 20 and >15
4. Each question will have 3/4 choices
5. Each question paper is different and has questions in different order
6. Question paper and Answer File will look like:

**Bit Coin Selection Question paper 1:**

1. What is the symbol for Bitcoin?
2. LTC B. BTC. C. XEM
3. What is the symbol for VeChain?
4. VEN B. LSK. C. DASH

**Corresponding Answer file 1 will have:**

1. B
2. A

**Problem Statement : Design an efficient Data structure enabled MCQ Papers and Answer Sheet system :**

**Tips :**

* Transfer File contents into an appropriate Data structure
* Generate N Question Papers and N Answer Sheets.
* Each Question paper will have K MCQ questions and K Answers.
* Use Lists, Dictionary, File system, Class objects, Def functions as necessary. Use the Data file provided with the Problem.
* Clearly specify all the assumptions made during the Data Structure identification and data retrieval process.