

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?
A. LTC B. BTC. C. XEM
2. What is the symbol for VeChain?
A. 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.