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CSIS 2420-01

Assignment One

1. List four Pre Computer data structure not covered in class. For each of these describe the problems they solve, and associated algorithms.

   Data Structure / Problem it helps solves / associated algorithms

   -Notes / storing data / recalling useful information
   - Recipe / organizing data / step by step directions

2. Use the list of pre-computer data structure related items given by students in class. For each item if it is a data structure, describe the problem it solves and the algorithms it uses. If it is a data source, describe an associated data structure and then give the problem this data structure solves and the algorithms it uses.

   Data Structure / Problem it helps solves / associated algorithms

   -List / Organize data / Alphabetize the entries
   -Chart / represents data / graphical representation
   -Record / Capturing and translating data / sound playback
   - File cabinet / storing data / keeping files for recall
   - File Folders / storing data / keep paper documents
   - Check Register / organize data / conformation of data
   - Dictionary / Organize data / alphabetize the entries
   - Math Tables / storing data / multiples of x
   - Calendar / storing data / keep days in order
   - Address Book / organize data / alphabetize contacts
   - Planner / organize data / keep dates and times straight
   - Phone Book / organize data / alphabetize contacts
   - Accounting Ledgers / storing data / keeping record of balances