Data Structure

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Searching operation of an Array

Search - To search an element from the array list.

Search (Algorithm)

Take, Counter variable j

Array AS[N], Where N is size of an array

Search_Item variable to store value of searching item

Search (Algorithm-Cont..)

1. Initialize counter variable j with value 0.

   j=0

2. While j<N repeat step 3 & 4
3. If LS[j]==Search_Item then goto step 5
4. Increment counter j

   j=j+1

5. Print/Display j, Search_Item
6. Exit

Updating operation of an Array

Update - To update an element in the array list at selected position.

Update (Algorithm)

Take, Counter variable j

Array AU[N], Where N is size of an array

Update_Item variable to store value of searching item

Loc variable to store value of location which is to be updated

Update (Algorithm-Cont..)

1. Set value of updated element at selected position of an array

   AU[loc-1]=Update_Item

2. Exit

Basic String Operations

- Finding a length of string
- Converting string into Uppercase and Lowercase
- Appending string to another string
- Reversing a string

Finding a length of String

1. Set i=0
2. While str[i]!=Null repeat step 3
3. i=i+1
4. Length=i
5. Exit