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Data structures and Algorithm II

**Functional Decomposition**

**LCS.c**

//This is my read function to read my twoSequence file and store values into array

void readSequences();

//This is my read function to read multiple sequence from a file to compare

void readMultipleSequences();

//This my max function that will return the greater of two numbers pasted into it  
int max(int, int);

//My function to get my x-array and y-array to computer the longest common subsequence   
void computelcs(char\*, char\*);

//My function to display my LCS after computing  
void printLcs(int, int);

//This is my display function to show the final matrix after computing the LCS  
void display\_LCS\_MATRIX();

//My function to display my LCS after computing  
void display\_LCS();

//This is my read function to find the compare each element of characters to find max lcs. //note, may not work

void findMaxLcs(char[], int);

//My pointer arrays  
char \*xArr, \*yArr, \*lcsResult, \*buf;

//my ints of numbers, values, and 2d array   
int a, b, c=0, d, maxx, i, j, x, y, \*\*cArr, \*\*lArr;

//my LCS array to how my LCS values  
char LCS[100];