

PROBLEM DEFINITION :

CREATING A TEXT EDITOR USING DYNAMIC MEMORY FUNCTIONS AND POINTERS IS THE PROBLEM. PROGRAM SHOULD WORK LINE BY LINE AND TAKE LINES FROM A TXT FILES WHICH IS PROVIDED AS ARGUMENT .

SOLUTION APPROACH:

FIRSTLY TEST CASES MUST BE CREATED THAN IT SHOULD BE DIVIDED INTO TASKS AS TO BE FUNCTIONS. AFTER BUILDING FUNCTIONS THEY MUST BE RELATED EACH OTHER IF NEEDED AND IT SHOULD BE TESTED.

CREATE:

WHENEVER I CREATE A FILE I USED MALLOC FUNCTION FOR NEW FILE AND FOR NEXT DATA POINTER.

DELETE:

TO DELETE EXISTING DATA POINTER I USED FREE.

REMOVE:

TO CHANGE OLD TEXT'S SIZE I USED REALLOC FUNCTION.

APPEND:

TO KEEP TEXT IN A TEMPORARY POINTER AND TO RESIZE THE TEXT WHICH IS IN DATABASE I USED MALLOC AND REALLOC.

REPLACE:

TO KEEP TEMPORARY TEXTS I USED MALLOC AND TO RESIZE THE FILE TEXT I USED REALLOC.

ANALYZER:

TO KEEP TEXT'S WORDS AND DISTRIBUTE THEM TO FUNCTIONS I USED MALLOC,REALLOC AND FREE.