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// ***
// *** You MUST modify this file.
// ***

#include <stdio.h>
#include <stdbool.h>

#ifdef TEST_ADDFILE
bool addFile(char * filename, int * sum)
{
    *sum = 0;
    int num; //current number being scanned in the file
    FILE *fptr; //file pointer for file being read
    fptr = fopen(filename, "r");
    int temp; //fscanf 1 or 0

    while(!feof(fptr))
    {
        temp = fscanf(fptr, "%d", &num);
        if(temp == 1)
        {
            *sum = *sum + num;
        }
    }
    fclose(fptr);
    // You cannot assume * sum is zero. Thus, * sum needs to be set 0
    // open a file whose name is filename for reading
    // if fopen fails, return false. Do NOT fclose
    // if fopen succeeds, read integers using fscanf (do not use fgetc)
    //
    // * sum stores the result of adding all numbers from the file
    // When no more numbers can be read, fclose, return true
    //
    return true;
}
#endif

#ifdef TEST_WRITESUM
bool writeSum(char * filename, int sum)
{
    FILE *fptr; //file pointer for file being written to
    fptr = fopen(filename, "w");
    if(fptr == NULL)
    {
        return false;
    }
    fprintf(fptr, "%d\n", sum);
    fclose(fptr);
    // open a file whose name is filename for writing

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    // if fopen succeeds, write sum as an integer using fprintf
    // fprintf should use one newline '\n'
    // fclose, return true
    //
    return true;
}
#endif
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