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Sun Apr 09 17:36:08 2023
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <time.h>
#include <fcntl.h>
#include "utils.h"
/* Return the timestamp at the time of invocation*/
char *current_datetime_str()
{
    time_t tim = time(NULL);
    return duplicate_until_newline(ctime(&tim));
/* Open a log file with the given filename and return its file descriptor. */
int open_file(char *filename)
    int fptr;
    if ((fptr = open(filename, O_CREAT | O_APPEND | O_WRONLY, 0755)) == -1)
        fprintf(stderr, "Error: failed to open \"%s\"\n", filename);
        perror("open");
        exit (EXIT_FAILURE);
    return fptr;
/*Checks if the argument is any of the whitespace characters*/
int is_space(char c)
    return (c == ' ' |
            c == '\t'
            c == '\n'
            c == '\r'
            c == '\x0b' |
            c == ' \setminus x0c');
}
/*Removes the whitespace characters to the left of the argument string*/
char *left_strip(char *s)
{
    int i;
    i = 0;
    while (is_space(s[i]))
        ++i;
    return s + i;
}
/*Return a copy of the string*/
char *duplicate(char *s)
{
    char *copy;
    copy = malloc(sizeof(char) * strlen(s));
    strcpy(copy, s);
    return copy;
}
/*Returns a copy of the string until a newline character is encountered in the process of 1
eft to right traversal*/
char *duplicate_until_newline(char *s)
    int i, c;
    char *copy;
```

return -1;

s[i] = c;

s[i] = '\0'; return i;

}

}