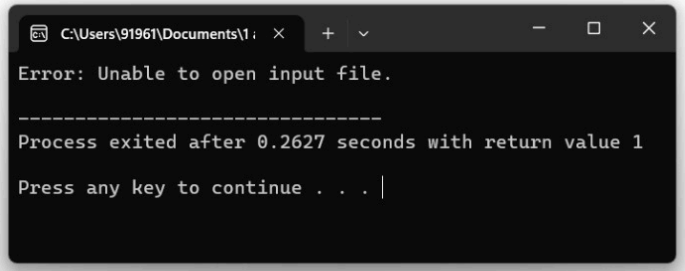
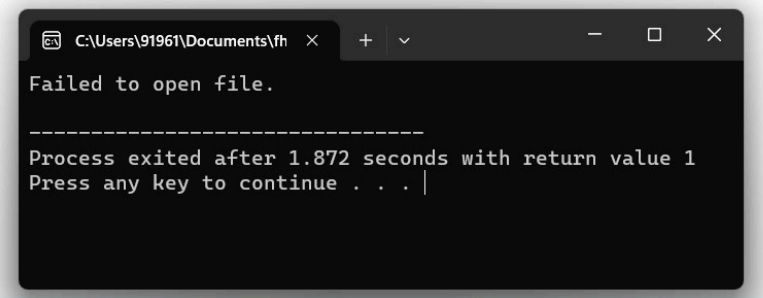
1 assin 5.cpp

```c
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

#define MAX_LINE_LENGTH 1000

int main() {
    FILE *input_file, *output_file;
    char line[MAX_LINE_LENGTH];

    // Open input file
    input_file = fopen("input.txt", "r");
    if (input_file == NULL) {
        printf("Error: Unable to open input file.\n");
        exit(1);
    }

    // Open output file
    output_file = fopen("error_log.txt", "w");
    if (output_file == NULL) {
        printf("Error: Unable to open output file.\n");
        exit(1);
    }

    // Read input file line by line and write lines containing "error" to output file
    while (fgets(line, MAX_LINE_LENGTH, input_file)) {
        if (strstr(line, "error") != NULL) {
            fputs(line, output_file);
        }
    }

    // Close input and output files
    fclose(input_file);
    fclose(output_file);

    // Open error log file and print its contents to the console
    output_file = fopen("error_log.txt", "r");
    if (output_file == NULL) {
        printf("Error: Unable to open error log file.\n");
        exit(1);
    }

    printf("Contents of error log file:\n");
    while (fgets(line, MAX_LINE_LENGTH, output_file)) {
        printf("%s", line);
    }

    // Close error log file
    fclose(output_file);

    return 0;
}
```



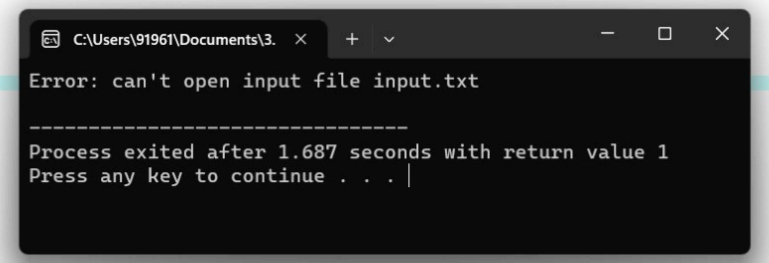
2 assi 5 ccp.cpp

```c
#include <stdio.h>

int main() {
    FILE *fp;
    char buffer[100];

    fp = fopen("data.bin", "rb");
    if (fp == NULL) {
        printf("Failed to open file.\n");
        return 1;
    }

    while (fread(buffer, sizeof(buffer), 1, fp) == 1) {
        printf("%s", buffer);
    }

    fclose(fp);

    return 0;
}
```



3.assi 5.cpp

```c
#define MAX_LINE_LENGTH 1000
int main() {
    FILE *input_file, *output_file;
    char *input_file_name = "input.txt";
    char *output_file_name = "output.txt";
    char line[MAX_LINE_LENGTH];
    char *search_word = "red";
    char *replace_word = "blue";
    size_t search_word_len = strlen(search_word);
    size_t replace_word_len = strlen(replace_word);

    // Open input file for reading
    input_file = fopen(input_file_name, "r");
    if (input_file == NULL) {
        printf("Error: can't open input file %s\n", input_file_name);
        exit(1);
    }
// Open output file for writing
    output_file = fopen(output_file_name, "w");
    if (output_file == NULL) {
        printf("Error: can't open output file %s\n", output_file_name);
        exit(1);
    }

    // Read each line from input file
    while (fgets(line, MAX_LINE_LENGTH, input_file) != NULL) {
        char *p = line;
        while ((p = strstr(p, search_word)) != NULL) {
            // Replace search_word with replace_word in line
            memcpy(p, replace_word, replace_word_len);
            p += replace_word_len;
        }
        // Write modified line to output file
        fputs(line, output_file);
    }

    // Close input and output files
    fclose(input_file);
    fclose(output_file);

    return 0;
}
```



4.assi 5.cpp

```c
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

#define MAX_LINE_LENGTH 1024

int main() {
    char filename[256], search_string[256];
    printf("Enter the name of the file: ");
    scanf("%255s", filename); // limit the input to 255 characters to avoid buffer overflow
    printf("Enter the search string: ");
    scanf("%255s", search_string); // limit the input to 255 characters to avoid buffer overflow

    FILE *fp = fopen(filename, "r"); // open the file for reading
    if (fp == NULL) {
        printf("Failed to open file: %s\n", filename);
        exit(1);
    }

    char line[MAX_LINE_LENGTH];
    while (fgets(line, MAX_LINE_LENGTH, fp) != NULL) { // read the file line by line
        if (strstr(line, search_string) != NULL) { // check if the line contains the search string
            printf("%s", line); // print the line to the console
        }
    }

    fclose(fp); // close the file
    return 0;
}
```

```
C:\Users\91961\Documents\4.
Enter the name of the file: silent
Enter the search string: sun
Failed to open file: silent

--------------------------------
Process exited after 14.43 seconds with return value 1

Press any key to continue . . .
```

5.assin 5.cpp

```c
#include <stdio.h>

int main() {
    FILE *in_file, *out_file;
    char c;
    int count[26] = {0};
    int i;

    in_file = fopen("data.txt", "r");
    out_file = fopen("statistics.txt", "w");

    while ((c = fgetc(in_file)) != EOF) {
        if (c >= 'a' && c <= 'z') {
            count[c - 'a']++;
        } else if (c >= 'A' && c <= 'Z') {
            count[c - 'A']++;
        }
    }

    for (i = 0; i < 26; i++) {
        fprintf(out_file, "%c: %d\n", 'a' + i, count[i]);
    }

    fclose(in_file);
    fclose(out_file);

    return 0;
}
```