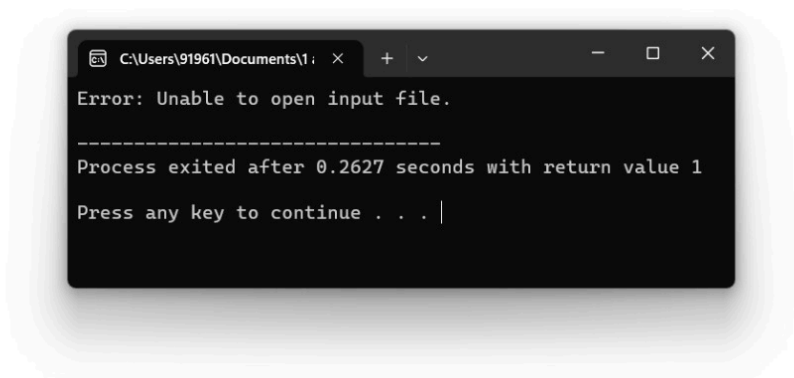


```
1 assin 5.cpp ×
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <string.h>
4
5 #define MAX_LINE_LENGTH 1000
6
7 int main()
8 {
9     FILE *input_file, *output_file;
10     char line[MAX_LINE_LENGTH];
11
12     // Open input file
13     input_file = fopen("input.txt", "r");
14     if (input_file == NULL) {
15         printf("Error: Unable to open input file.\n");
16         exit(1);
17     }
18
19     // Open output file
20     output_file = fopen("error_log.txt", "w");
21     if (output_file == NULL) {
22         printf("Error: Unable to open output file.\n");
23         exit(1);
24     }
25
26     // Read input file line by line and write lines containing "error" to output file
27     while (fgets(line, MAX_LINE_LENGTH, input_file)) {
28         if (strstr(line, "error") != NULL) {
29             fputs(line, output_file);
30         }
31     }
32
33     // Close input and output files
34     fclose(input_file);
35     fclose(output_file);
36
37     // Open error log file and print its contents to the console
38     output_file = fopen("error_log.txt", "r");
39     if (output_file == NULL) {
40         printf("Error: Unable to open error log file.\n");
41         exit(1);
42     }
43
44     printf("Contents of error log file:\n");
45     while (fgets(line, MAX_LINE_LENGTH, output_file)) {
46         printf("%s", line);
47     }
48
49     // Close error log file
50     fclose(output_file);
51
52     return 0;
53 }
```



2 assi 5 ccp.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     FILE *fp;
5     char buffer[100];
6
7     fp = fopen("data.bin", "rb");
8     if (fp == NULL) {
9         printf("Failed to open file.\n");
10        return 1;
11    }
12
13    while (fread(buffer, sizeof(buffer), 1, fp) == 1) {
14        printf("%s", buffer);
15    }
16
17    fclose(fp);
18
19    return 0;
20 }
```

C:\Users\91961\Documents\fh x + - □ ×

Failed to open file.

Process exited after 1.872 seconds with return value 1

Press any key to continue . . . |

```

3.assi 5.cpp
4
5 #define MAX_LINE_LENGTH 1000
6 int main() {
7     FILE *input_file, *output_file;
8     char *input_file_name = "input.txt";
9     char *output_file_name = "output.txt";
10    char line[MAX_LINE_LENGTH];
11    char *search_word = "red";
12    char *replace_word = "blue";
13    size_t search_word_len = strlen(search_word);
14    size_t replace_word_len = strlen(replace_word);
15
16    // Open input file for reading
17    input_file = fopen(input_file_name, "r");
18    if (input_file == NULL) {
19        printf("Error: can't open input file %s\n", input_file_name);
20        exit(1);
21    }
22    // Open output file for writing
23    output_file = fopen(output_file_name, "w");
24    if (output_file == NULL) {
25        printf("Error: can't open output file %s\n", output_file_name);
26        exit(1);
27    }
28
29    // Read each line from input file
30    while (fgets(line, MAX_LINE_LENGTH, input_file) != NULL) {
31        char *p = line;
32        while ((p = strstr(p, search_word)) != NULL) {
33            // Replace search_word with replace_word in line
34            memcpy(p, replace_word, replace_word_len);
35            p += replace_word_len;
36        }
37        // Write modified line to output file
38        fputs(line, output_file);
39    }
40
41    // Close input and output files
42    fclose(input_file);
43    fclose(output_file);
44
45    return 0;
46 }

```

```

C:\Users\91961\Documents\3. x + v - □ ×
Error: can't open input file input.txt

-----
Process exited after 1.687 seconds with return value 1
Press any key to continue . . . |

```

4.assi 5.cpp

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <string.h>
4
5 #define MAX_LINE_LENGTH 1024
6
7 int main() {
8     char filename[256], search_string[256];
9     printf("Enter the name of the file: ");
10    scanf("%255s", filename); // limit the input to 255 characters to avoid buffer overflow
11    printf("Enter the search string: ");
12    scanf("%255s", search_string); // limit the input to 255 characters to avoid buffer overflow
13
14    FILE *fp = fopen(filename, "r"); // open the file for reading
15    if (fp == NULL) {
16        printf("Failed to open file: %s\n", filename);
17        exit(1);
18    }
19
20    char line[MAX_LINE_LENGTH];
21    while (fgets(line, MAX_LINE_LENGTH, fp) != NULL) { // read the file line by line
22        if (strstr(line, search_string) != NULL) { // check if the line contains the search string
23            printf("%s", line); // print the line to the console
24        }
25    }
26
27    fclose(fp); // close the file
28    return 0;
29 }
```

```
C:\Users\91961\Documents\4. x + v - □ ×
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 . . . |
```

```

1  #include <stdio.h>
2
3  int main() {
4      FILE *in_file, *out_file;
5      char c;
6      int count[26] = {0};
7      int i;
8
9      in_file = fopen("data.txt", "r");
10     out_file = fopen("statistics.txt", "w");
11
12     while ((c = fgetc(in_file)) != EOF) {
13         if (c >= 'a' && c <= 'z') {
14             count[c - 'a']++;
15         } else if (c >= 'A' && c <= 'Z') {
16             count[c - 'A']++;
17         }
18     }
19
20     for (i = 0; i < 26; i++) {
21         fprintf(out_file, "%c: %d\n", 'a' + i, count[i]);
22     }
23
24     fclose(in_file);
25     fclose(out_file);
26
27     return 0;
28 }

```

```

C:\Users\91961\Documents\5.  x + v
-----
Process exited after 10.89 seconds with return value 0
Press any key to continue . . . |

```