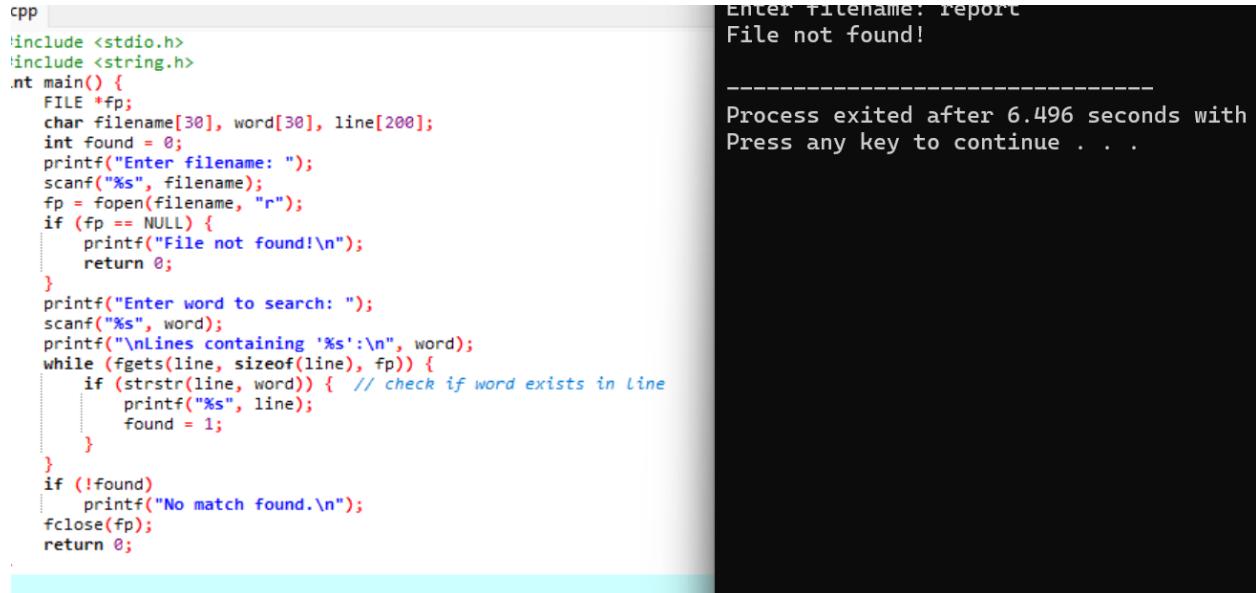


28. Write a C program for simulation of GREP UNIX command

```
#include <stdio.h>
#include <string.h>
int main() {
    FILE *fp;
    char filename[30], word[30], line[200];
    int found = 0;
    printf("Enter filename: ");
    scanf("%s", filename);
    fp = fopen(filename, "r");
    if (fp == NULL) {
        printf("File not found!\n");
        return 0;
    }
    printf("Enter word to search: ");
    scanf("%s", word);
    printf("\nLines containing '%s':\n", word);
    while (fgets(line, sizeof(line), fp)) {
        if (strstr(line, word)) { // check if word exists in line
            printf("%s", line);
            found = 1;
        }
    }
    if (!found)
        printf("No match found.\n");
    fclose(fp);
```

```
    return 0;  
}  
}
```

OUTPUT-



```
cpp  
include <stdio.h>  
include <string.h>  
.nt main()  
FILE *fp;  
char filename[30], word[30], line[200];  
int found = 0;  
printf("Enter filename: ");  
scanf("%s", filename);  
fp = fopen(filename, "r");  
if (fp == NULL) {  
    printf("File not found!\n");  
    return 0;  
}  
printf("Enter word to search: ");  
scanf("%s", word);  
printf("\nLines containing '%s':\n", word);  
while (fgets(line, sizeof(line), fp)) {  
    if (strstr(line, word)) { // check if word exists in line  
        printf("%s", line);  
        found = 1;  
    }  
}  
if (!found)  
    printf("No match found.\n");  
fclose(fp);  
return 0;  
  
-----  
Enter filename: report  
File not found!  
-----  
Process exited after 6.496 seconds with  
Press any key to continue . . .
```