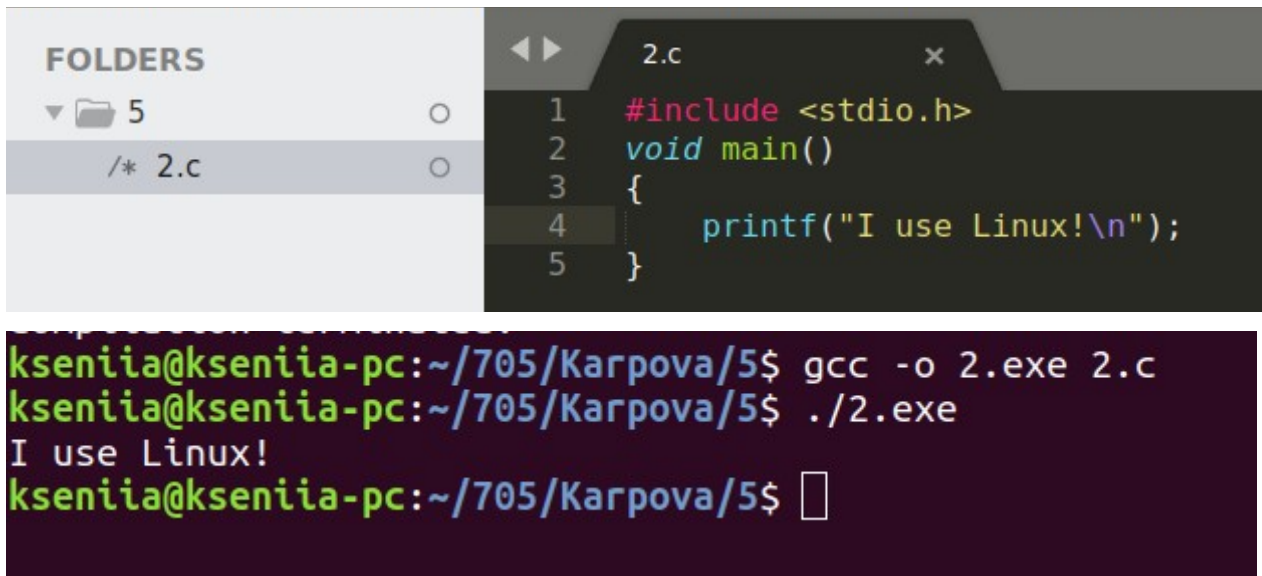


2.



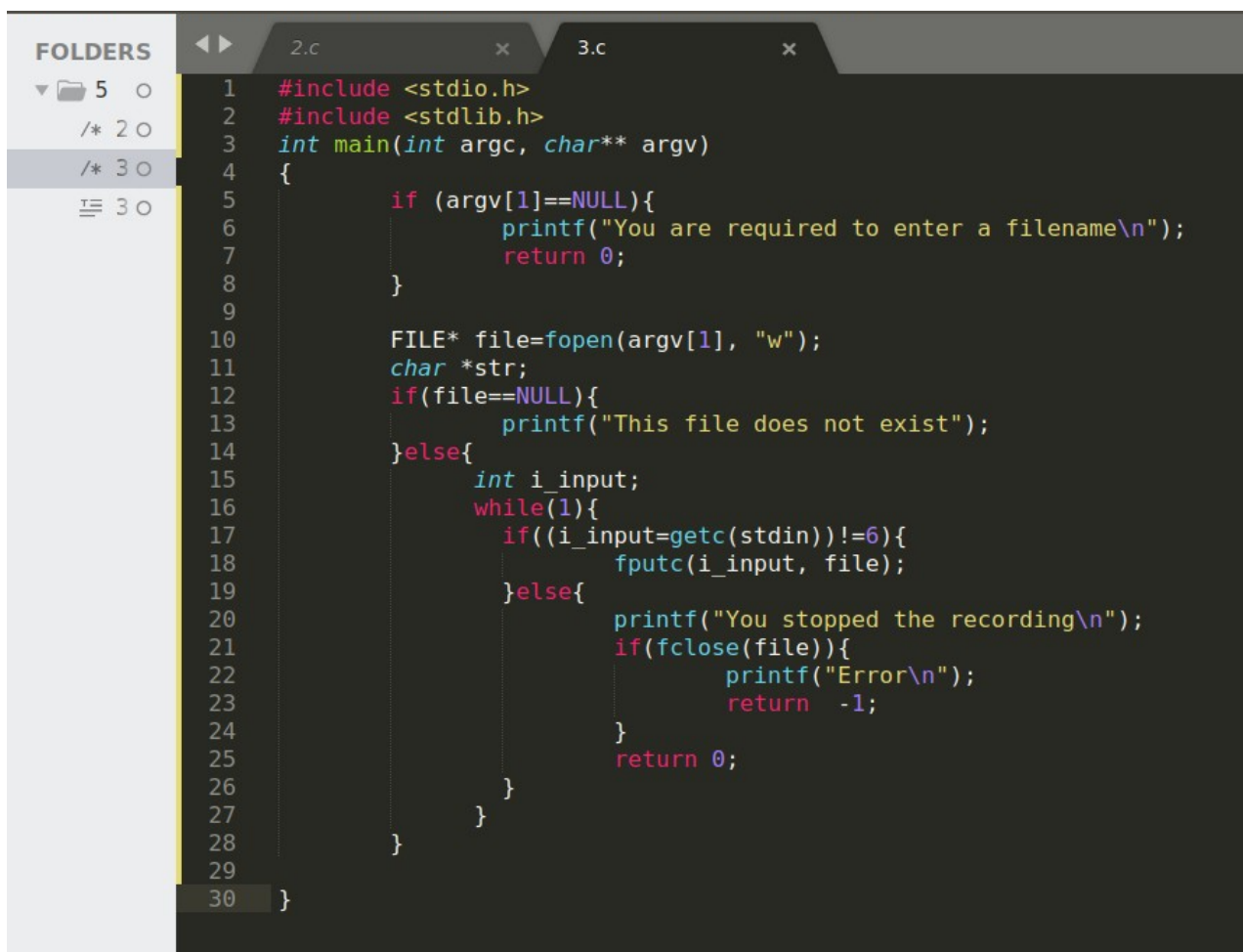
The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a folder named '5' containing a file '2.c'. The code editor shows the contents of '2.c':

```
1  #include <stdio.h>
2  void main()
3  {
4      printf("I use Linux!\n");
5  }
```

Below the code editor, a terminal window shows the execution of the program:

```
ksenia@ksenia-pc:~/705/Karpova/5$ gcc -o 2.exe 2.c
ksenia@ksenia-pc:~/705/Karpova/5$ ./2.exe
I use Linux!
ksenia@ksenia-pc:~/705/Karpova/5$
```

3.



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a folder named '5' containing files '2.c' and '3.c'. The code editor shows the contents of '3.c':

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main(int argc, char** argv)
4  {
5      if (argv[1]==NULL){
6          printf("You are required to enter a filename\n");
7          return 0;
8      }
9
10     FILE* file=fopen(argv[1], "w");
11     char *str;
12     if(file==NULL){
13         printf("This file does not exist");
14     }else{
15         int i_input;
16         while(1){
17             if((i_input=getc(stdin))!=6){
18                 fputc(i_input, file);
19             }else{
20                 printf("You stopped the recording\n");
21                 if(fclose(file)){
22                     printf("Error\n");
23                     return -1;
24                 }
25                 return 0;
26             }
27         }
28     }
29 }
30 }
```

```

ksenia@ksenia-pc:~/705/Karpova/5$ gcc -o 3.exe 3.c
ksenia@ksenia-pc:~/705/Karpova/5$ ./3.exe 3.txt
sdfghjk
hhuiy787yy
hh
^F
You stopped the recording
ksenia@ksenia-pc:~/705/Karpova/5$ 

```

```

1  sdfghjk
2  hhuiy787yy
3  hh
4

```

4.?

5.

```

1  #include <stdio.h>
2
3  int main(int argc, char** argv)
4  {
5      if (argv[1]==NULL){
6          printf("You are required to enter a OUTPUTfilename\n");
7          return 0;
8      }
9      if (argv[2]==NULL){
10         printf("You are required to enter a INPUTfilename\n");
11         return 0;
12     }
13     char cc[256];
14     FILE *f1, *f2;
15
16     if((f1= fopen(argv[1], "r"))==NULL)
17     {
18         perror("Error occured while opening file");
19         return 1;
20     }
21     if((f2= fopen(argv[2], "w"))==NULL)
22     {
23         perror("Error occured while opening file");
24         return 1;
25     }
26
27     while((fgets(cc, 256, f1))!=NULL)
28     {
29         fputs(cc, f2);
30         printf("%s", cc);
31     }
32
33     if(fclose(f1)){
34         printf("Error close OUT_file\n");
35         return -1;
36     }
37     if(fclose(f2)){
38         printf("Error close IN_file\n");
39         return -1;
40     }
41
42     return 0;
43 }

```

```
ksenia@ksenia-pc:~/705/Karpova/5$ gcc -o 5.exe 5.c
ksenia@ksenia-pc:~/705/Karpova/5$ ./5.exe 3.txt 5.txt
sdfghjk
hhuivy787yy
hh
ksenia@ksenia-pc:~/705/Karpova/5$
```

```
1 sdfghjk
2 hhuivy787yy
3 hh
4
```

6.

```
1 #include <stdio.h>
2 #include <dirent.h>
3
4 int folder(char *s){
5     struct dirent *d;
6     DIR *dir = opendir(s);
7     if(dir==NULL){
8         printf("The %s directory does not open\n", s);
9         return 1;
10    }else{
11        printf("In %s directory:\n", s);
12        while((d=readdir(dir))!=NULL){
13            printf("%s\n", d->d_name);
14        }
15        closedir(dir);
16        return 0;
17    }
18 }
19 int main(int argc, char** argv)
20 {
21     if (argv[1]==NULL){
22         printf("You are required to enter a filename\n");
23         return 1;
24     }
25
26     if(folder(".")!=0){
27         if(folder(argv[1])!=0){
28             printf("THE END\n");
29             return 0;
30         }else{
31             printf("Error\n");
32             return 1;
33         }
34     }else{
35         printf("Error\n");
36         return 1;
37     }
38 }
39
40
41
42 }
```

```
collect2: error: ld returned 1 exit status
kseniia@kseniia-pc:~/705/Karpova/5$ gcc -o 6.exe 6.c
kseniia@kseniia-pc:~/705/Karpova/5$ ./6.exe ../4
In . directory:
6.exe
5.txt
2.exe
5.c
4.exe
4.c
2.c
..
3.txt
3.c
3.exe
6.c
5.exe
.
In ../4 directory:
1.c
task_7.sh
task_6.sh
отчет.pdf
task_4.sh
1.exe
1.ex
args.txt
..
a.out
files.txt
.
task_5.sh
THE END
kseniia@kseniia-pc:~/705/Karpova/5$
```

7.