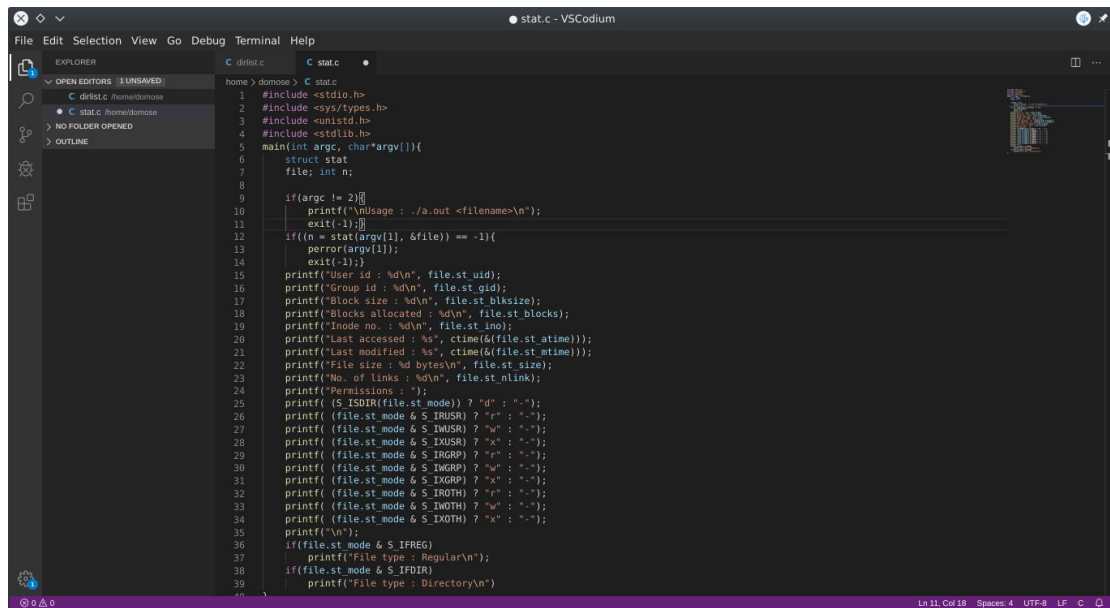
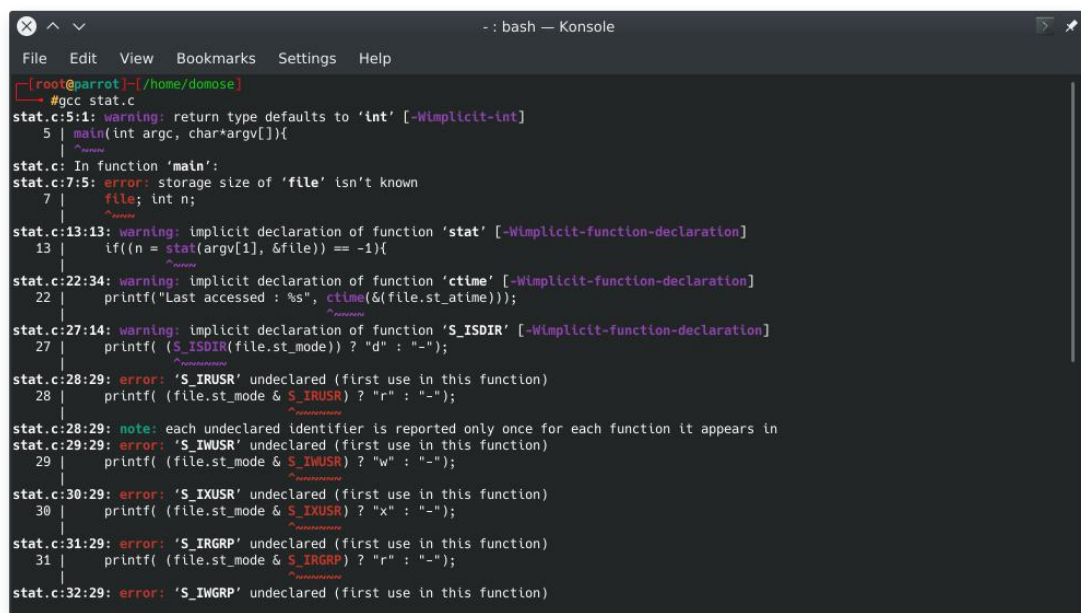


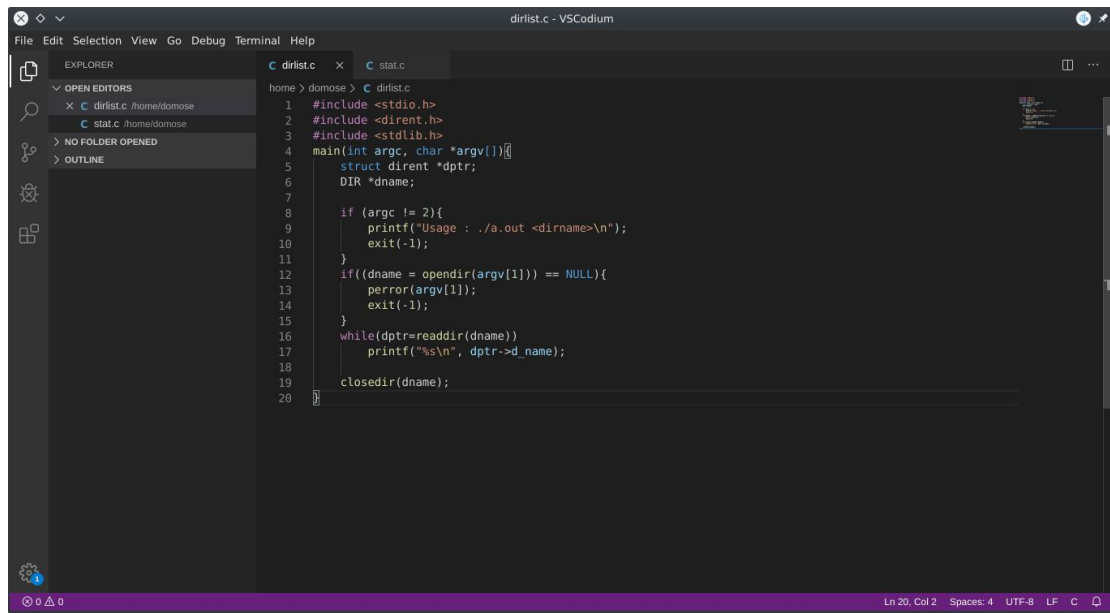
Nama : Maulana Alhif Ikhsan
NIM : L200180120



```
1 #include <stdio.h>
2 #include <sys/types.h>
3 #include <unistd.h>
4 #include <stdlib.h>
5 main(int argc, char*argv[]){
6     struct stat
7     file; int n;
8
9     if(argc != 2){
10         printf("\nUsage : ./a.out <filename>\n");
11         exit(-1);
12     }
13     if((n = stat(argv[1], &file)) == -1){
14         perror(argv[1]);
15         exit(-1);
16     }
17     printf("User id : %d\n", file.st_uid);
18     printf("Group id : %d\n", file.st_gid);
19     printf("Block size : %d\n", file.st_blksize);
20     printf("Blocks allocated : %d\n", file.st_blocks);
21     printf("Inode no. : %d\n", file.st_ino);
22     printf("Last accessed : %s", ctime(&file.st_atime));
23     printf("Last modified : %s", ctime(&file.st_mtime));
24     printf("File size : %d bytes\n", file.st_size);
25     printf("No. of Links : %d\n", file.st_nlink);
26     printf("Permissions : ");
27     printf( (S_ISDIR(file.st_mode)) ? "d" : "-");
28     printf( (file.st_mode & S_IRUSR) ? "r" : "-");
29     printf( (file.st_mode & S_IWUSR) ? "w" : "-");
30     printf( (file.st_mode & S_IXUSR) ? "x" : "-");
31     printf( (file.st_mode & S_IRGRP) ? "r" : "-");
32     printf( (file.st_mode & S_IWGRP) ? "w" : "-");
33     printf( (file.st_mode & S_IXGRP) ? "x" : "-");
34     printf( (file.st_mode & S_IROTH) ? "r" : "-");
35     printf( (file.st_mode & S_IWOTH) ? "w" : "-");
36     printf( (file.st_mode & S_IXOTH) ? "x" : "-");
37     printf("\n");
38     if(file.st_mode & S_IFREG)
39         printf("File type : Regular\n");
40     if(file.st_mode & S_IFDIR)
41         printf("File type : Directory\n");
42 }
```



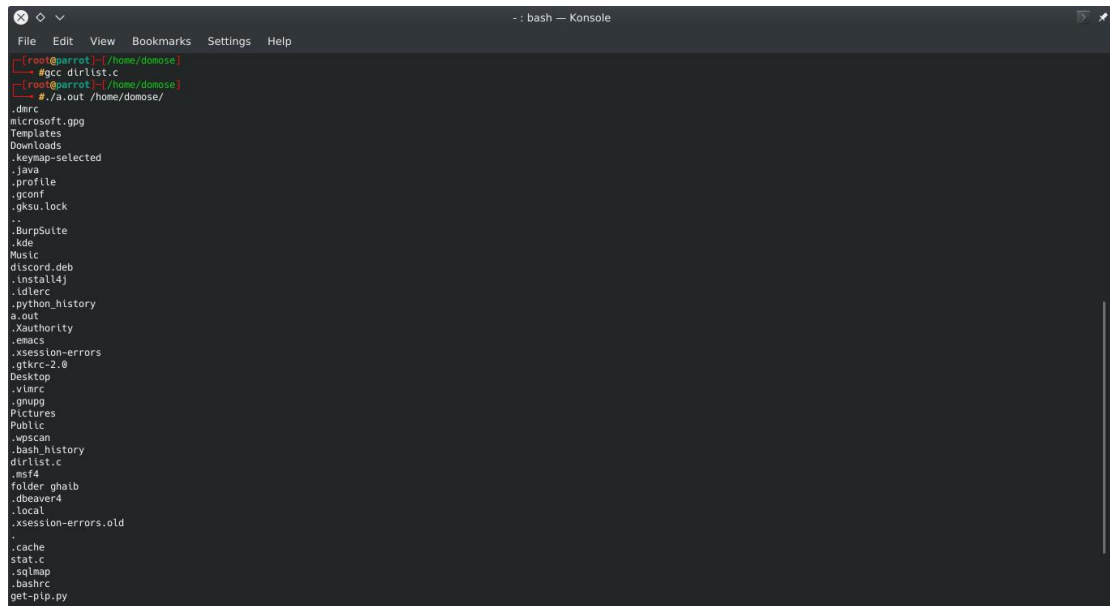
```
File Edit View Bookmarks Settings Help
[root@parrot]~/home/domose
#gcc stat.c
stat.c:5:1: warning: return type defaults to 'int' [-Wimplicit-int]
5 | main(int argc, char*argv[]){
  | ~~~~~
stat.c: In function 'main':
stat.c:7:5: error: storage size of 'file' isn't known
7 |     file; int n;
  |     ~~~~~
stat.c:13:13: warning: implicit declaration of function 'stat' [-Wimplicit-function-declaration]
13 |     if((n = stat(argv[1], &file)) == -1){
    |             ~~~~~
stat.c:22:34: warning: implicit declaration of function 'ctime' [-Wimplicit-function-declaration]
22 |     printf("Last accessed : %s", ctime(&file.st_atime));
    |                                 ~~~~~
stat.c:27:14: warning: implicit declaration of function 'S_ISDIR' [-Wimplicit-function-declaration]
27 |     printf( (S_ISDIR(file.st_mode)) ? "d" : "-");
    |             ~~~~~
stat.c:28:29: error: 'S_IRUSR' undeclared (first use in this function)
28 |     printf( (file.st_mode & S_IRUSR) ? "r" : "-");
    |                             ~~~~~
stat.c:28:29: note: each undeclared identifier is reported only once for each function it appears in
stat.c:29:29: error: 'S_IWUSR' undeclared (first use in this function)
29 |     printf( (file.st_mode & S_IWUSR) ? "w" : "-");
    |                             ~~~~~
stat.c:30:29: error: 'S_IXUSR' undeclared (first use in this function)
30 |     printf( (file.st_mode & S_IXUSR) ? "x" : "-");
    |                             ~~~~~
stat.c:31:29: error: 'S_IRGRP' undeclared (first use in this function)
31 |     printf( (file.st_mode & S_IRGRP) ? "r" : "-");
    |                             ~~~~~
stat.c:32:29: error: 'S_IWGRP' undeclared (first use in this function)
32 |     printf( (file.st_mode & S_IWGRP) ? "w" : "-");
    |                             ~~~~~
```



The screenshot shows the Visual Studio Code editor with the file `dirlist.c` open. The Explorer sidebar on the left shows the project structure with `dirlist.c` and `stat.c` in the `/home/domose` directory. The main editor area displays the following C code:

```
1 #include <stdio.h>
2 #include <dirent.h>
3 #include <stdlib.h>
4 main(int argc, char *argv[])
5 {
6     struct dirent *dptr;
7     DIR *dname;
8
9     if (argc != 2){
10         printf("Usage : ./a.out <dirname>\n");
11         exit(-1);
12     }
13     if((dname = opendir(argv[1])) == NULL){
14         perror(argv[1]);
15         exit(-1);
16     }
17     while(dptr=readdir(dname))
18         printf("%s\n", dptr->d_name);
19     closedir(dname);
20 }
```

The status bar at the bottom indicates the cursor is at line 20, column 2, with 4 spaces, using UTF-8 encoding and LF line endings.



The screenshot shows a terminal window titled `bash - Konsole`. The user has executed the following commands in the `/home/domose` directory:

```
root@parrot:~/home/domose# gcc dirlist.c
root@parrot:~/home/domose# ./a.out /home/domose/
.dir
microsoft.ppg
Templates
Downloads
.keymap-selected
.java
.profile
.gconf
.gksu.lock
.
.BurpSuite
.kde
Music
discord.deb
.install4j
.lidrc
.python_history
a.out
.Xauthority
.emacs
.xsession-errors
gtkrc-2.0
Desktop
.vimrc
.gnupg
Pictures
Public
.wpscan
.bash_history
dirlist.c
.msf4
folder ghalb
.dbeaver4
.local
.xsession-errors.old
.
.cache
stat.c
.sqlmap
.bashrc
get-pip.py
```

The output lists the contents of the `/home/domose` directory, including hidden files and subdirectories.