

~/Desktop/OS-Projects (0.619s)

g++ [directory_structure.cpp](#)

~/Desktop/OS-Projects (38.313s)

./a.out

Current Directory: /

Menu:

1. Create Directory
2. Create File
3. Change Directory
4. List Contents
5. Exit

Enter your choice: 1

Enter directory name: MyDir

Directory "MyDir" created successfully.

Current Directory: /

Menu:

1. Create Directory
2. Create File
3. Change Directory
4. List Contents
5. Exit

Enter your choice: 2

Enter file name: MyFile

File "MyFile" created successfully.

Current Directory: /

Menu:

1. Create Directory
2. Create File
3. Change Directory
4. List Contents
5. Exit

Enter your choice: 4

Contents of "/":

Dir: MyDir

File: MyFile

Current Directory: /

Menu:

1. Create Directory
2. Create File
3. Change Directory
4. List Contents
5. Exit

Enter your choice: 3

Enter directory name (.. to go back): MyDir

Current Directory: //MyDir

Menu:

1. Create Directory
2. Create File
3. Change Directory
4. List Contents
5. Exit

Enter your choice: 5

Exiting...

~/Desktop/OS-Projects (0.549s)

g++ file_allocation_methods.cpp

~/Desktop/OS-Projects (1m 20.38s)

./a.out

Enter the size of the disk (number of blocks): 10

Menu:

1. Allocate File
2. View Disk
3. Exit

Enter your choice: 1

Enter file name: file1

Enter file length (number of blocks): 3

File file1 allocated from block 0 to block 2

Menu:

1. Allocate File
2. View Disk
3. Exit

Enter your choice: 2

Disk Status: 1 1 1 0 0 0 0 0 0 0

Allocated Files:

File: file1, Start: 0, Length: 3

Menu:

1. Allocate File
2. View Disk
3. Exit

Enter your choice: 3
