

File System Menu:

1. Create File or Directory
2. Change Directory
3. Remove File or Directory
4. Move File or Directory
5. Print Path to Current Directory
6. Search for File or Directory
7. Print Directory Tree
8. List Directory Contents
9. Sort Directory Contents by Time
0. Exit

Enter your choice:

2

Current directory: /root

Enter new directory path: /root/dir1

Directory changed to: /root/dir1

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8. List Directory Contents
9. Sort Directory Contents by Time
0. Exit

Enter your choice:

2

Current directory: /root/dir1

Enter new directory path: root

Directory changed to: /root

File System Menu:

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0. Exit

Enter your choice:

2

Current directory: /root

Enter new directory path: dir1

Directory changed to: /root/dir1

File System Menu:

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0. Exit

Enter your choice:

1

Create file or directory (f/d):

f

Enter name for new file: file1.txt

File created: file1.txt

File System Menu:

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0. Exit

Enter your choice:

1

Create file or directory (f/d):

d

Enter name for new directory: dir1

Directory created: dir1

File System Menu:

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0. Exit

Enter your choice:

8

Listing contents of: /root

* dir1/

file1.txt

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0. Exit

Enter your choice:

8

Listing contents of: /root/dir1

* dir2/

file2.txt

File System Menu:

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8. List Directory Contents
9. Sort Directory Contents by Time
0. Exit

Enter your choice:

3

Enter name of file or directory to remove: file2.txt

File System Menu:

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7. Print Directory Tree
8. List Directory Contents
9. Sort Directory Contents by Time
0. Exit

Enter your choice:

8

Listing contents of: /root/dir1

* dir2/

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0. Exit

Enter your choice:

8

Listing contents of: /root/dir1
* dir2/

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9. Sort Directory Contents by Time
0. Exit

Enter your choice:

3

Enter name of file or directory to remove: dir2

File System Menu:

1. Create File or Directory
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0. Exit

Enter your choice:

8

Listing contents of: /root/dir1

File System Menu:

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0. Exit

Enter your choice:

8

Listing contents of: /root/dir1

* dir3/

file3

File System Menu:

1. Create File or Directory
2. Change Directory
3. Remove File or Directory
4. Move File or Directory
5. Print Path to Current Directory
6. Search for File or Directory
7. Print Directory Tree
8. List Directory Contents
9. Sort Directory Contents by Time
0. Exit

Enter your choice:

7

Path to current directory from root:

* root

* dir1 (current directory)

* dir3/

file3

5. Print Path to Current Directory
6. Search for File or Directory
7. Print Directory Tree
8. List Directory Contents
9. Sort Directory Contents by Time
0. Exit

Enter your choice:

7

Path to current directory from root:

```
* root
* dir1 (current directory)
  * dir3/
    file3
```

File System Menu:

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0. Exit

Enter your choice:

4

Enter name of file or directory to move: file3

Enter new directory path: /root

Directory changed to: /root

File System Menu:

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9. Sort Directory Contents by Time
0. Exit

Enter your choice:

8

Listing contents of: /root/dir1

```
* dir3/
```

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0. Exit

Enter your choice:

2

Current directory: /root/dir1

Enter new directory path: root

Directory changed to: /root

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Enter your choice:

8

Listing contents of: /root

```
* dir1/
```

```
file1.txt
```

```
file3
```

```
7. Print Directory Tree
8. List Directory Contents
9. Sort Directory Contents by Time
0. Exit
Enter your choice:
8
Listing contents of: /root/dir1
* dir3/
```

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```
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0. Exit
Enter your choice:
6
Enter search query: dir1
```

Found at: /root

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```
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0. Exit
Enter your choice:
6
Enter search query: dir3
```

Found at: /root/dir1

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```
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0. Exit
Enter your choice:
6
Enter search query: file3
```

Found at: /root

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9

Sorted contents of: /root by date created:

file1.txt (04/22/2024 22:27:35)

* dir1/ (04/22/2024 22:27:40)

file3 (04/22/2024 22:32:29)

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0. Exit

Enter your choice:

0

Exiting...

hakan@Hakan:/mnt/c/Users/hakan/Desktop/hw4\$