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abdu@abduPC:~/dataHW/hw4$ make
javac -classpath . -d ./bin hw4/FileSystemElement.java
javac -classpath . -d ./bin hw4/Directory.java
javac -classpath . -d ./bin hw4/File.java
javac -classpath . -d ./bin hw4/FileSystem.java
javac -classpath . -d ./bin hw4/Main.java
java -classpath ./bin hw4.Main
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===== File System Management Menu =====
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1. Change directory
2. List directory contents
3. Create file/directory
4. Delete file/directory
5. Move file/directory
6. Search file/directory
7. Print directory tree
8. Sort contents by date created
9. Exit

Please select an option: 2

Listing Content of /

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===== File System Management Menu =====
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1. Change directory
2. List directory contents
3. Create file/directory
4. Delete file/directory
5. Move file/directory
6. Search file/directory
7. Print directory tree
8. Sort contents by date created
9. Exit

Please select an option: 3

Current Path: /

Create file or directory (f/d): f

Enter name for new file: test.txt

File created: test.txt

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===== File System Management Menu =====
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1. Change directory
2. List directory contents
3. Create file/directory
4. Delete file/directory
5. Move file/directory
6. Search file/directory
7. Print directory tree
8. Sort contents by date created
9. Exit

Please select an option: 3

Current Path: /

Create file or directory (f/d): d

Enter name for new directory: dir1

Directory created: dir1

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===== File System Management Menu =====  
1. Change directory  
2. List directory contents  
3. Create file/directory  
4. Delete file/directory  
5. Move file/directory  
6. Search file/directory  
7. Print directory tree  
8. Sort contents by date created  
9. Exit  
Please select an option: 3  
Current Path: /  
Create file or directory (f/d): q  
Invalid input.  
█
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===== File System Management Menu =====  
1. Change directory  
2. List directory contents  
3. Create file/directory  
4. Delete file/directory  
5. Move file/directory  
6. Search file/directory  
7. Print directory tree  
8. Sort contents by date created  
9. Exit  
Please select an option: 1  
Current Path: /1/  
Enter new directory path: /1/2  
Current directory changed to: /1/2  
  
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===== File System Management Menu =====  
1. Change directory  
2. List directory contents  
3. Create file/directory  
4. Delete file/directory  
5. Move file/directory  
6. Search file/directory  
7. Print directory tree  
8. Sort contents by date created  
9. Exit  
Please select an option: 7  
Path to current directory from root:  
* root/  
  * 1/  
    * 2/  
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===== File System Management Menu =====  
1. Change directory  
2. List directory contents  
3. Create file/directory  
4. Delete file/directory  
5. Move file/directory  
6. Search file/directory  
7. Print directory tree  
8. Sort contents by date created  
9. Exit  
Please select an option: 2  
Listing Content of /  
    * dir1/  
        test.txt
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===== File System Management Menu =====  
1. Change directory  
2. List directory contents  
3. Create file/directory  
4. Delete file/directory  
5. Move file/directory  
6. Search file/directory  
7. Print directory tree  
8. Sort contents by date created  
9. Exit  
Please select an option: 2  
Listing Content of /  
    test.txt  
    * dir1/
```

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===== File System Management Menu =====  
1. Change directory  
2. List directory contents  
3. Create file/directory  
4. Delete file/directory  
5. Move file/directory  
6. Search file/directory  
7. Print directory tree  
8. Sort contents by date created  
9. Exit  
Please select an option: 1  
Current Path: /  
Enter new directory path: /dir1  
Current directory changed to: /dir1
```

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===== File System Management Menu =====  
1. Change directory  
2. List directory contents  
3. Create file/directory  
4. Delete file/directory  
5. Move file/directory  
6. Search file/directory  
7. Print directory tree  
8. Sort contents by date created  
9. Exit  
Please select an option: 5  
Current Path: /  
Enter name of file/directory to move: test.txt  
Found: /test.txt  
Enter new path: /dir1  
Moved: test.txt to /dir1  
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===== File System Management Menu =====  
1. Change directory  
2. List directory contents  
3. Create file/directory  
4. Delete file/directory  
5. Move file/directory  
6. Search file/directory  
7. Print directory tree  
8. Sort contents by date created  
9. Exit  
Please select an option: 8  
Sorted/ by date created:  
* 1 2024-04-22 23:23:09.339  
* 2 2024-04-22 23:23:14.427  
* 3 2024-04-22 23:23:29.851  
█
```