

# CSE222 HW4 Report

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## 1. Creating File

```
PS C:\Users\emrek\OneDrive\Masaüstü\210104004093_EmreKibar_HW4> cd "C:\Users\emrek\
?" { java Main }

Current Directory: /
===== 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 Directory: /
Create file or directory(f/d): f
Enter a name for file: deneme1.txt
File created: deneme1.txt

Current Directory: /
===== 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 the contents of /:
deneme1.txt
```

## 2. Creating Directory

```
Current Directory: /
===== 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 Directory: /
Create file or directory(f/d): d
Enter a name for directory: home
Directory created: home

Current Directory: /
===== 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 the contents of /:
deneme1.txt
* home/
```

### 3.Listing Directory Contents

```
Current Directory: /home
===== 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 the contents of /home:
deneme2.txt
* Documents/
```

### 4.Print Directory Tree

```
Current Directory: /home/Documents/Hws
===== 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/
  * home/
    * Documents/
      * Hws/ (Current Directory)
        deneme4.txt
        * Tree
```

### 5.Moving File

```
Current Directory: /home/Documents/Hws
===== 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 Directory: /home/Documents/Hws
Enter the name of the file or directory to move: deneme4.txt
Enter new directory path: /
File moved: deneme4.txt to /
```

## 6.Moving Directory

```
Current Directory: /home/Documents
===== 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 the contents of /home/Documents:
deneme3.txt
* Hws/

Current Directory: /home/Documents
===== 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 Directory: /home/Documents
Enter the name of the file or directory to move: Hws
Enter new directory path: /home
File moved: Hws to /home
```

## 7.Searching File/Directory

```
Current Directory: /home
===== 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: 6
Search query: Hws
Found at: /home/Hws

Current Directory: /home
===== 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: 6
Search query: deneme4.txt
Found at: /deneme4.txt
```

## 8. Printing Sorted Contents Based On Creation Contents

```
Current Directory: /
===== 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 contents of / by date created:
deneme1.txt      2024-04-22 19:38:08.951
* home  2024-04-22 19:38:55.886
deneme4.txt      2024-04-22 19:42:00.187
```

## 9. Deleting File

```
Current Directory: /
===== 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: 4
Current Directory: /
Enter name for a file/directory to delete: deneme4.txt
File deleted: deneme4.txt

Current Directory: /
===== 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 the contents of /:
deneme1.txt
* home/
```

## 10. Deleting Directory

```
Current Directory: /
===== 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: 4
Current Directory: /
Enter name for a file/directory to delete: home
Directory deleted: home

Current Directory: /
===== 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 the contents of /:
deneme1.txt
```

## 11. Changing Directory

```
Current Directory: /home
===== 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
Listing the contents of /home:
Enter new directory path: /home/Documents
Directory changed to: /home/Documents

Current Directory: /home/Documents
===== 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
Listing the contents of /home/Documents:
Enter new directory path: /
Directory changed to: /

Current Directory: /
===== File System Management Menu =====
1. Change directory
```