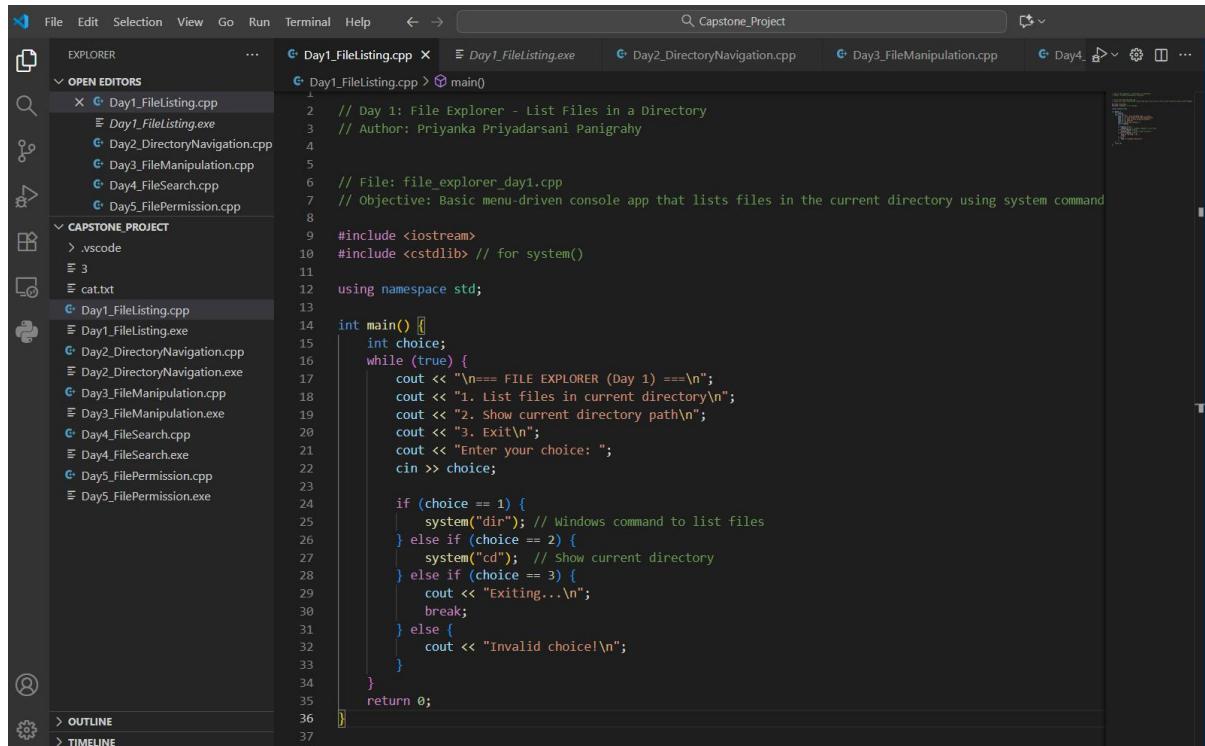


DAY WISE WORK AND CODE:

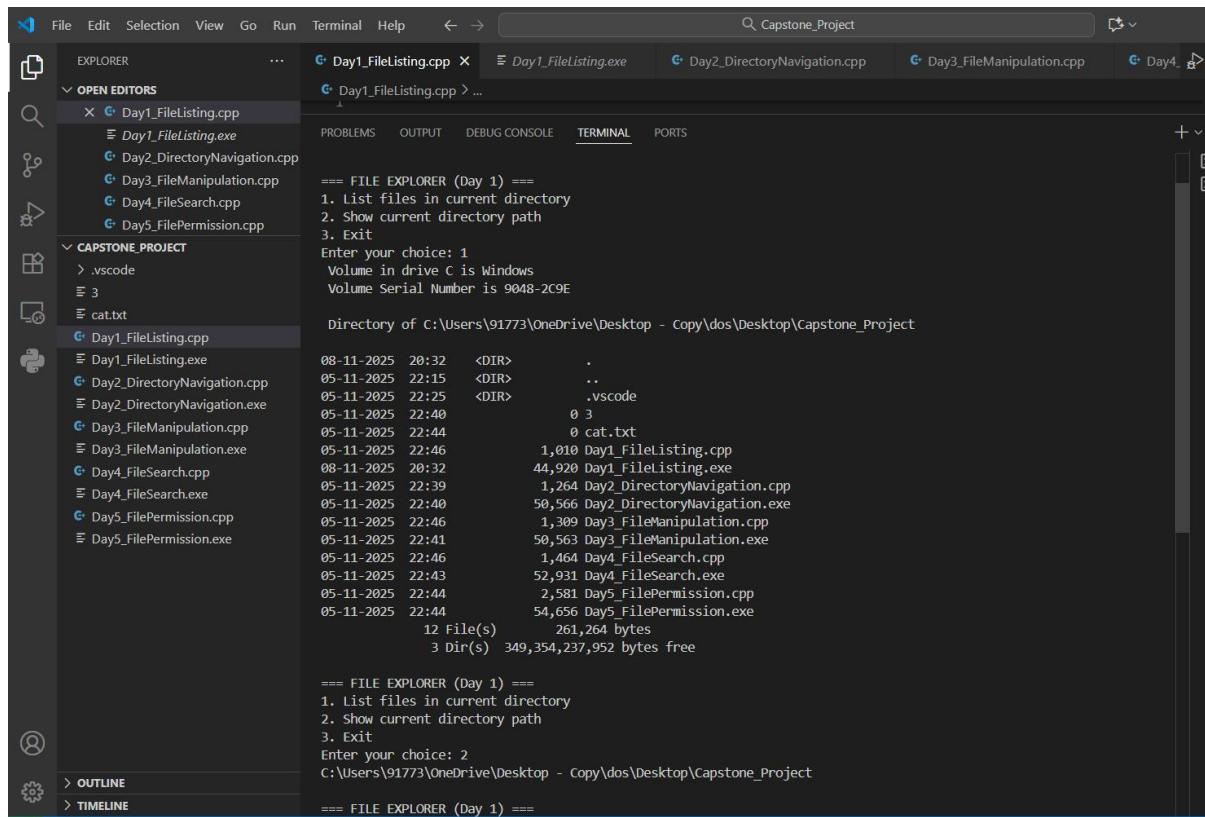
Day 1: Basic File Listing



```
File Edit Selection View Go Run Terminal Help ⏪ ⏩ 🔍 Capstone_Project

EXPLORER ... Day1_FileListing.cpp Day1_FileListing.exe Day2_DirectoryNavigation.cpp Day3_FileManipulation.cpp Day4_... ⏮ OPEN EDITORS
  Day1_FileListing.cpp
    Day1_FileListing.exe
    Day2_DirectoryNavigation.cpp
    Day3_FileManipulation.cpp
    Day4_FileSearch.cpp
    Day5_FilePermission.cpp
  CAPSTONE_PROJECT
    .vscode
    3
    cat.txt
      Day1_FileListing.cpp
      Day1_FileListing.exe
      Day2_DirectoryNavigation.cpp
      Day3_FileManipulation.cpp
      Day4_FileSearch.exe
      Day5_FilePermission.cpp
      Day5_FilePermission.exe
  OUTLINE
  TIMELINE

Day1_FileListing.cpp (main)
1 // Day 1: File Explorer - List Files in a Directory
2 // Author: Priyanka Priyadarshani Panigrahy
3
4
5
6 // File: file_explorer_day1.cpp
7 // Objective: Basic menu-driven console app that lists files in the current directory using system command
8
9 #include <iostream>
10 #include <cstdlib> // for system()
11
12 using namespace std;
13
14 int main() {
15     int choice;
16     while (true) {
17         cout << "\n== FILE EXPLORER (Day 1) ==\n";
18         cout << "1. List files in current directory\n";
19         cout << "2. Show current directory path\n";
20         cout << "3. Exit\n";
21         cout << "Enter your choice: ";
22         cin >> choice;
23
24         if (choice == 1) {
25             system("dir"); // Windows command to list files
26         } else if (choice == 2) {
27             system("cd");
28         } else if (choice == 3) {
29             cout << "Exiting...\n";
30             break;
31         } else {
32             cout << "Invalid choice!\n";
33         }
34     }
35
36     return 0;
37 }
```



```
File Edit Selection View Go Run Terminal Help ⏪ ⏩ 🔍 Capstone_Project

EXPLORER ... Day1_FileListing.cpp Day1_FileListing.exe Day2_DirectoryNavigation.cpp Day3_FileManipulation.cpp Day4_... ⏮ OPEN EDITORS
  Day1_FileListing.cpp ...
  CAPSTONE_PROJECT
    .vscode
    3
    cat.txt
      Day1_FileListing.cpp
      Day1_FileListing.exe
      Day2_DirectoryNavigation.cpp
      Day3_FileManipulation.cpp
      Day4_FileSearch.cpp
      Day5_FilePermission.cpp
      Day5_FilePermission.exe
  PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS + ⏮

==== FILE EXPLORER (Day 1) ====
1. List files in current directory
2. Show current directory path
3. Exit

Enter your choice: 1
Volume in drive C is Windows
Volume Serial Number is 9048-2C9E

Directory of C:\Users\91773\OneDrive\Desktop - Copy\dos\Desktop\Capstone_Project

08-11-2025 20:32 <DIR> .
05-11-2025 22:15 <DIR> ..
05-11-2025 22:25 <DIR> .vscode
05-11-2025 22:40 0 3
05-11-2025 22:44 0 cat.txt
05-11-2025 22:46 1,010 Day1_FileListing.cpp
08-11-2025 20:32 44,920 Day1_FileListing.exe
05-11-2025 22:39 1,264 Day2_DirectoryNavigation.cpp
05-11-2025 22:40 50,566 Day2_DirectoryNavigation.exe
05-11-2025 22:46 1,309 Day3_FileManipulation.cpp
05-11-2025 22:41 50,563 Day3_FileManipulation.exe
05-11-2025 22:46 1,464 Day4_FileSearch.cpp
05-11-2025 22:43 52,931 Day4_FileSearch.exe
05-11-2025 22:44 2,581 Day5_FilePermission.cpp
05-11-2025 22:44 54,656 Day5_FilePermission.exe
12 File(s) 261,264 bytes
3 Dir(s) 349,354,237,952 bytes free

==== FILE EXPLORER (Day 1) ====
1. List files in current directory
2. Show current directory path
3. Exit

Enter your choice: 2
C:\Users\91773\OneDrive\Desktop - Copy\dos\Desktop\Capstone_Project

==== FILE EXPLORER (Day 1) ====

  OUTLINE
  TIMELINE
```

Day 2: File Creation and Deletion

The screenshot shows a code editor interface with a dark theme. The left sidebar contains icons for file operations like Open, Save, Find, and Run. The Explorer panel lists files under 'OPEN EDITORS' and 'CAPSTONE_PROJECT'. The main editor area displays a C++ program named 'Day2_DirectoryNavigation.cpp'. The code implements a menu system for file operations:

```
8 #include <iostream>
9 #include <cstdlib>
10 #include <string>
11 using namespace std;
12
13 int main() {
14     int choice;
15     string filename;
16
17     while (true) {
18         cout << "\n== FILE EXPLORER (Day 2) ==\n";
19         cout << "1. List files\n";
20         cout << "2. Create a file\n";
21         cout << "3. Delete a file\n";
22         cout << "4. Exit\n";
23         cout << "Enter your choice: ";
24         cin >> choice;
25
26         if (choice == 1) system("dir");
27         else if (choice == 2) {
28             cout << "Enter file name: ";
29             cin >> filename;
30             string command = "type nul > " + filename;
31             system(command.c_str());
32             cout << "File created.\n";
33         }
34         else if (choice == 3) {
35             cout << "Enter file name: ";
36             cin >> filename;
37             string command = "del " + filename;
38             system(command.c_str());
39             cout << "File deleted if it existed.\n";
40         }
41         else if (choice == 4) break;
42         else cout << "Invalid choice!\n";
43     }
44     return 0;
}
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\91773\OneDrive\Desktop - Copy\dos\Desktop\Capstone_Project> cd "c:\Users\91773\OneDrive\Desktop - os\Desktop\Capstone_Project\" ; if ($?) { g++ Day2_DirectoryNavigation.cpp -o Day2_DirectoryNavigation } ; if
.\Day2_DirectoryNavigation

==== FILE EXPLORER (Day 2) ====
1. List files
2. Create a file
3. Delete a file
4. Exit
Enter your choice: 1
Volume in drive C is Windows
Volume Serial Number is 9048-2C9E

Directory of C:\Users\91773\OneDrive\Desktop - Copy\dos\Desktop\Capstone_Project

08-11-2025 20:34    <DIR>          .
05-11-2025 22:15    <DIR>          ..
05-11-2025 22:25    <DIR>          .vscode
05-11-2025 22:40            0 3
05-11-2025 22:44            0 cat.txt
05-11-2025 22:46        1,010 Day1_FileListing.cpp
08-11-2025 20:32        44,920 Day1_FileListing.exe
05-11-2025 22:39        1,264 Day2_DirectoryNavigation.cpp
08-11-2025 20:34        50,566 Day2_DirectoryNavigation.exe
05-11-2025 22:46        1,309 Day3_FileManipulation.cpp
05-11-2025 22:41        50,563 Day3_FileManipulation.exe
05-11-2025 22:46        1,464 Day4_FileSearch.cpp
05-11-2025 22:43        52,931 Day4_FileSearch.exe
05-11-2025 22:44        2,581 Day5_FilePermission.cpp
05-11-2025 22:44        54,656 Day5_FilePermission.exe
              12 File(s)   261,264 bytes
              3 Dir(s)  347,777,912,832 bytes free

==== FILE EXPLORER (Day 2) ====
1. List files
2. Create a file
3. Delete a file
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

==== FILE EXPLORER (Day 2) ====
1. List files
2. Create a file
3. Delete a file
4. Exit
Enter your choice: 2
Enter file name: cat.txt
File created.

==== FILE EXPLORER (Day 2) ====
1. List files
2. Create a file
3. Delete a file
4. Exit
Enter your choice: 2
Enter file name: dog.txt
File created.

==== FILE EXPLORER (Day 2) ====
1. List files
2. Create a file
3. Delete a file
4. Exit
Enter your choice: 3
Enter file name: cat.txt
File deleted if it existed.

==== FILE EXPLORER (Day 2) ====
1. List files
2. Create a file
3. Delete a file
4. Exit
Enter your choice: 1
Volume in drive C is Windows
Volume Serial Number is 9048-2C9E
```

```
== FILE EXPLORER (Day 2) ==
1. List files
2. Create a file
3. Delete a file
4. Exit
Enter your choice: 1
Volume in drive C is Windows
Volume Serial Number is 9048-2C9E

Directory of C:\Users\91773\OneDrive\Desktop - Copy\dos\Desktop\Capstone_Project

08-11-2025 20:35    <DIR>          .
05-11-2025 22:15    <DIR>          ..
05-11-2025 22:25    <DIR>          .vscode
05-11-2025 22:40            0 3
05-11-2025 22:46        1,010 Day1_FileListing.cpp
08-11-2025 20:32        44,920 Day1_FileListing.exe
05-11-2025 22:39        1,264 Day2_DirectoryNavigation.cpp
08-11-2025 20:34        50,566 Day2_DirectoryNavigation.exe
05-11-2025 22:46        1,309 Day3_FileManipulation.cpp
05-11-2025 22:41        50,563 Day3_FileManipulation.exe
05-11-2025 22:46        1,464 Day4_FileSearch.cpp
05-11-2025 22:43        52,931 Day4_FileSearch.exe
05-11-2025 22:44        2,581 Day5_FilePermission.cpp
05-11-2025 22:44        54,656 Day5_FilePermission.exe
08-11-2025 20:35            0 dog.txt
                           12 File(s)      261,264 bytes
                           3 Dir(s)   347,777,245,184 bytes free

== FILE EXPLORER (Day 2) ==
1. List files
2. Create a file
3. Delete a file
4. Exit
Enter your choice: 4
PS C:\Users\91773\OneDrive\Desktop - Copy\dos\Desktop\Capstone_Project>
```

Day 3: Directory Creation and Removal

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** On the left, it shows the project structure under "CAPSTONE_PROJECT".
 - Open Editors:
 - Day1_FileListing.cpp
 - Day1_FileListing.exe
 - Day2_DirectoryNavigation.cpp (selected)
 - Day3_FileManipulation.cpp
 - Day4_FileSearch.cpp
 - Day5_FilePermission.cpp
 - Capstone Project:
 - .vscode
 - 3
 - Day1_FileListing.cpp
 - Day1_FileListing.exe
 - Day2_DirectoryNavigation.cpp
 - Day3_FileManipulation.cpp
 - Day3_FileManipulation.exe
 - Day4_FileSearch.cpp
 - Day4_FileSearch.exe
 - Day5_FilePermission.cpp
 - Day5_FilePermission.exe
 - dog.txt
- Code Editor:** The main area displays the content of Day3_FileManipulation.cpp.

```
#include <iostream>
#include <cstdlib>
#include <string>
using namespace std;

int main() {
    int choice;
    string dirname;

    while (true) {
        cout << "\n==== FILE EXPLORER (Day 3) ====\n";
        cout << "1. List files\n";
        cout << "2. Create directory\n";
        cout << "3. Remove directory\n";
        cout << "4. Exit\n";
        cout << "Enter your choice: ";
        cin >> choice;

        if (choice == 1) system("dir");
        else if (choice == 2) {
            cout << "Enter directory name: ";
            cin >> dirname;
            string command = "mkdir " + dirname;
            system(command.c_str());
            cout << "Directory created.\n";
        }
        else if (choice == 3) {
            cout << "Enter directory name: ";
            cin >> dirname;
            string command = "rmdir /S /Q " + dirname;
            system(command.c_str());
            cout << "Directory removed if existed.\n";
        }
        else if (choice == 4) break;
        else cout << "Invalid choice!\n";
    }
    return 0;
}
```
- Status Bar:** At the bottom, it shows "Ln 12, Col 1" and "Spaces: 4".

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The left sidebar displays the Explorer, showing a project named 'Capstone_Project' containing several files and folders. The 'OPEN EDITORS' section shows two unsaved files: 'Day1_FileListing.cpp' and 'Day1_FileListing.exe'. The main area features a terminal window with the following content:

```
int main() {
    ...
}

2. Create directory
3. Remove directory
4. Exit
Enter your choice: 2
Enter directory name: hello
Directory created.

== FILE EXPLORER (Day 3) ==
1. List files
2. Create directory
3. Remove directory
4. Exit
Enter your choice: 2
Enter directory name: hil
Directory created.

== FILE EXPLORER (Day 3) ==
1. List files
2. Create directory
3. Remove directory
4. Exit
Enter your choice: 3
Enter directory name: hello
Directory removed if existed.

== FILE EXPLORER (Day 3) ==
1. List files
2. Create directory
3. Remove directory
4. Exit
Enter your choice: 1
Volume in drive C is Windows
Volume Serial Number is 9048-2C9E

Directory of C:\Users\91773\OneDrive\Desktop - Copy\dos\Desktop\Capstone_Project
```

The terminal also shows the current date and time: 08-11-2025 20:40. The status bar at the bottom indicates the file is 0 bytes long and shows other system information like battery level and signal strength.

Day 4: File Rename and Copy

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under "OPEN EDITORS" and "CAPSTONE_PROJECT".
- Editor:** The main editor window displays the code for "Day4_FileSearch.cpp".
- Code Content:**

```
1 // Day 4: File Explorer - File Search
2 // Author: Priyanka Priyadarshani Panigrahy
3
4 // File: file_explorer_day4.cpp
5 // Objective: Add file renaming and copying functions.
6
7 #include <iostream>
8 #include <cstdlib>
9 #include <string>
10 using namespace std;
11
12 int main() {
13     int choice;
14     string oldName, newName;
15
16     while (true) {
17         cout << "\n==== FILE EXPLORER (Day 4) ====\n";
18         cout << "1. List files\n";
19         cout << "2. Rename file\n";
20         cout << "3. Copy file\n";
21         cout << "4. Exit\n";
22         cout << "Enter your choice: ";
23         cin >> choice;
24
25         if (choice == 1) system("dir");
26         else if (choice == 2) {
27             cout << "Enter current file name: ";
28             cin >> oldName;
29             cout << "Enter new file name: ";
30             cin >> newName;
31             string command = "rename " + oldName + " " + newName;
32             system(command.c_str());
33             cout << "File renamed if existed.\n";
34         }
35         else if (choice == 3) {
36             cout << "Enter source file name: ";
37             cin >> oldName;
38             cout << "Enter destination file name: ";
39             cin >> newName;
40             string command = "copy " + oldName + " " + newName;
41             system(command.c_str());
42             cout << "file copied if existed.\n";
43         }
44         else if (choice == 4) break;
45         else cout << "Invalid choice!\n";
46     }
47     return 0;
48 }
```
- Status Bar:** Shows "Ln 8, Col 20" and "Spaces: 4".

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under "OPEN EDITORS" and "CAPSTONE_PROJECT".
- Editor:** The main editor window displays the code for "Day4_FileSearch.cpp".
- Code Content:**

```
13 int main() {
14     while (true) {
15         cout << "2. Rename file\n";
16         cout << "3. copy file\n";
17         cout << "4. Exit\n";
18         cout << "Enter your choice: ";
19         cin >> choice;
20
21         if (choice == 1) system("dir");
22         else if (choice == 2) {
23             cout << "Enter current file name: ";
24             cin >> oldName;
25             cout << "Enter new file name: ";
26             cin >> newName;
27             string command = "rename " + oldName + " " + newName;
28             system(command.c_str());
29             cout << "File renamed if existed.\n";
30         }
31         else if (choice == 3) {
32             cout << "Enter source file name: ";
33             cin >> oldName;
34             cout << "Enter destination file name: ";
35             cin >> newName;
36             string command = "copy " + oldName + " " + newName;
37             system(command.c_str());
38             cout << "file copied if existed.\n";
39         }
40         else if (choice == 4) break;
41         else cout << "Invalid choice!\n";
42     }
43     return 0;
44 }
```
- Right Panel:** Displays an AI assistant interface with the following sections:
 - Build with agent mode:** "Let's get started"
 - Add context (#), extensions (@), com:** A text input field.
 - Build Workspace:** A button.
 - Show Config:** A button.
 - AI responses may be inaccurate:** A note.
- Status Bar:** Shows "Ln 8, Col 20" and "Spaces: 4" along with other system icons.

The screenshot shows a terminal window in VS Code with the title bar "Capstone_Project". The terminal tab is active, displaying the command `Day4_FileSearch.cpp` and its main function:

```
13 int main() {
```

Below the code, the terminal output shows a log of file operations:

```
08-11-2025 20:39      50,563 Day3_FileManipulation.exe
05-11-2025 22:46      1,464 Day4_FileSearch.cpp
08-11-2025 20:43      52,931 Day4_FileSearch.exe
05-11-2025 22:44      2,581 Day5_FilePermission.cpp
05-11-2025 22:44      54,656 Day5_FilePermission.exe
08-11-2025 20:35          0 dog.txt
08-11-2025 20:39    <DIR>      hi
12 File(s)      261,264 bytes
4 Dir(s)  347,474,767,872 bytes free
```

Following this, a menu for "FILE EXPLORER (Day 4)" is displayed:

```
== FILE EXPLORER (Day 4) ==
1. List files
2. Rename file
3. Copy file
4. Exit
```

The user enters choice 2, renaming "dog.txt" to "dog_child.txt". The terminal then displays another menu:

```
== FILE EXPLORER (Day 4) ==
1. List files
2. Rename file
3. Copy file
4. Exit
```

The user enters choice 1, listing files in the current directory:

```
Enter your choice: 1
Volume in drive C is Windows
Volume Serial Number is 9048-2C9E
```

The terminal then shows the directory contents of "C:\Users\91773\OneDrive\Desktop - Copy\dos\Desktop\Capstone_Project":

```
Directory of C:\Users\91773\OneDrive\Desktop - Copy\dos\Desktop\Capstone_Project

08-11-2025 20:44    <DIR>      .
05-11-2025 22:15    <DIR>      ..
05-11-2025 22:25    <DIR>      .vscode
05-11-2025 22:40          0 3
05-11-2025 22:46      1,010 Day1_FileListing.cpp
08-11-2025 20:32      44,920 Day1_FileListing.exe
```

The status bar at the bottom shows "Ln 40, Col 28" and other terminal settings.

Day 5: Final Integrated Application

```
1 // Day 5: File Explorer - File Permission Management
2 // Author: Priyanka Priyadarshani Panigrahy
3 // File: file_explorer_day5.cpp
4 // Objective: combine all previous functions and add file viewing.
5
6 #include <iostream>
7 #include <cstdlib>
8 #include <string>
9 using namespace std;
10
11 int main() {
12     int choice;
13     string filename, dirname;
14
15     while (true) {
16         cout << "\n==== FILE EXPLORER (day 5) ====\n";
17         cout << "1. List files\n";
18         cout << "2. Create file\n";
19         cout << "3. Delete file\n";
20         cout << "4. Create directory\n";
21         cout << "5. Delete directory\n";
22         cout << "6. Rename file\n";
23         cout << "7. Copy file\n";
24         cout << "8. View file content\n";
25         cout << "9. Exit\n";
26         cout << "Enter choice: ";
27         cin >> choice;
28
29         if (choice == 1) system("dir");
30         else if (choice == 2) {
31             cout << "Enter file name: ";
32             cin >> filename;
33             string cmd = "type nul > " + filename;
34             system(cmd.c_str());
35         }
36     }
37 }
```

```
13 int main() {
14     while (true) {
15         else if (choice == 2) {
16         }
17         else if (choice == 3) {
18             cout << "Enter file name: ";
19             cin >> filename;
20             string cmd = "del " + filename;
21             system(cmd.c_str());
22         }
23         else if (choice == 4) {
24             cout << "Enter directory name: ";
25             cin >> dirname;
26             string cmd = "mkdir " + dirname;
27             system(cmd.c_str());
28         }
29         else if (choice == 5) {
30             cout << "Enter directory name: ";
31             cin >> dirname;
32             string cmd = "rmdir /S /Q " + dirname;
33             system(cmd.c_str());
34         }
35         else if (choice == 6) {
36             string oldn, newn;
37             cout << "Enter old file name: ";
38             cin >> oldn;
39             cout << "Enter new file name: ";
40             cin >> newn;
41             string cmd = "rename " + oldn + " " + newn;
42             system(cmd.c_str());
43         }
44         else if (choice == 7) {
45             string src, dest;
46             cout << "Enter source: ";
47             cin >> src;
48             cout << "Enter destination: ";
49             cin >> dest;
50         }
51     }
52 }
```

The screenshot shows the Visual Studio Code (VS Code) interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and a set of icons. The title bar says "Capstone_Project". The left sidebar has sections for Explorer, Open Editors (4 unsaved), and Capstone Project, listing various files like Day1_FileListing.cpp, Day2_DirectoryNavigation.cpp, Day3_FileManipulation.cpp, Day4_FileSearch.cpp, and Day5_FilePermission.cpp. The main editor area displays the code for Day5_FilePermission.cpp:

```
Day5_FilePermission.cpp > ...
int main() {
    while (true) {
        cout << "Enter choice: ";
        cin >> choice;
        if (choice == 1)
            cout << "Enter directory name: ";
        else if (choice == 2)
            cout << "Enter file name: ";
        else if (choice == 3)
            cout << "Enter old file name: ";
        else if (choice == 4)
            cout << "Enter new file name: ";
        else if (choice == 5)
            cout << "Enter old directory name: ";
        else if (choice == 6)
            cout << "Enter old file name: ";
            string cmd = "rmdir /S /Q " + dirname;
            system(cmd.c_str());
        }
        else if (choice == 7)
            cout << "Enter source: ";
            string src;
            cout << "Enter destination: ";
            string dest;
            string cmd = "copy " + src + " " + dest;
            system(cmd.c_str());
        }
        else if (choice == 8)
            cout << "Enter file name: ";
            string filename;
            string cmd = "type " + filename;
            system(cmd.c_str());
        }
        else if (choice == 9) break;
        else cout << "invalid choice!\n";
    }
    return 0;
}
```

The status bar at the bottom shows "Ln 8 Col 20 Spaces: 4 UTF-8 C++ Win32 2051 ENG IN 08-11-2025". On the right side, there's a "Build with agent mode" panel with a "Let's get started" button, "Add context (@), extensions (@), com", "Build Workspace", and "Show Config" buttons. A note says "AI responses may be inaccurate."