

Experiment 15

```
#include <stdio.h>
#include <string.h>

int main() {
    char user[5][20], files[5][5][20];
    int u, f[5];

    printf("Enter number of users: ");
    scanf("%d", &u);

    for (int i = 0; i < u; i++) {
        printf("Enter user name: ");
        scanf("%s", user[i]);

        printf("Enter number of files for %s: ", user[i]);
        scanf("%d", &f[i]);

        for (int j = 0; j < f[i]; j++) {
            printf("Enter file name: ");
            scanf("%s", files[i][j]);
        }
    }

    printf("\nDirectory Structure:\n");
    for (int i = 0; i < u; i++) {
        printf("User: %s\n", user[i]);
        for (int j = 0; j < f[i]; j++)
            printf("    %s\n", files[i][j]);
    }
    return 0;
}
```

```
Enter number of users: 1
Enter user name: alice
Enter number of files for alice: 2
Enter file name: file1.txt
Enter file name: file2.txt
```

```
Directory Structure:
User: alice
    file1.txt
    file2.txt
```

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Process exited after 34.88 seconds with return value 0
Press any key to continue . . .
```