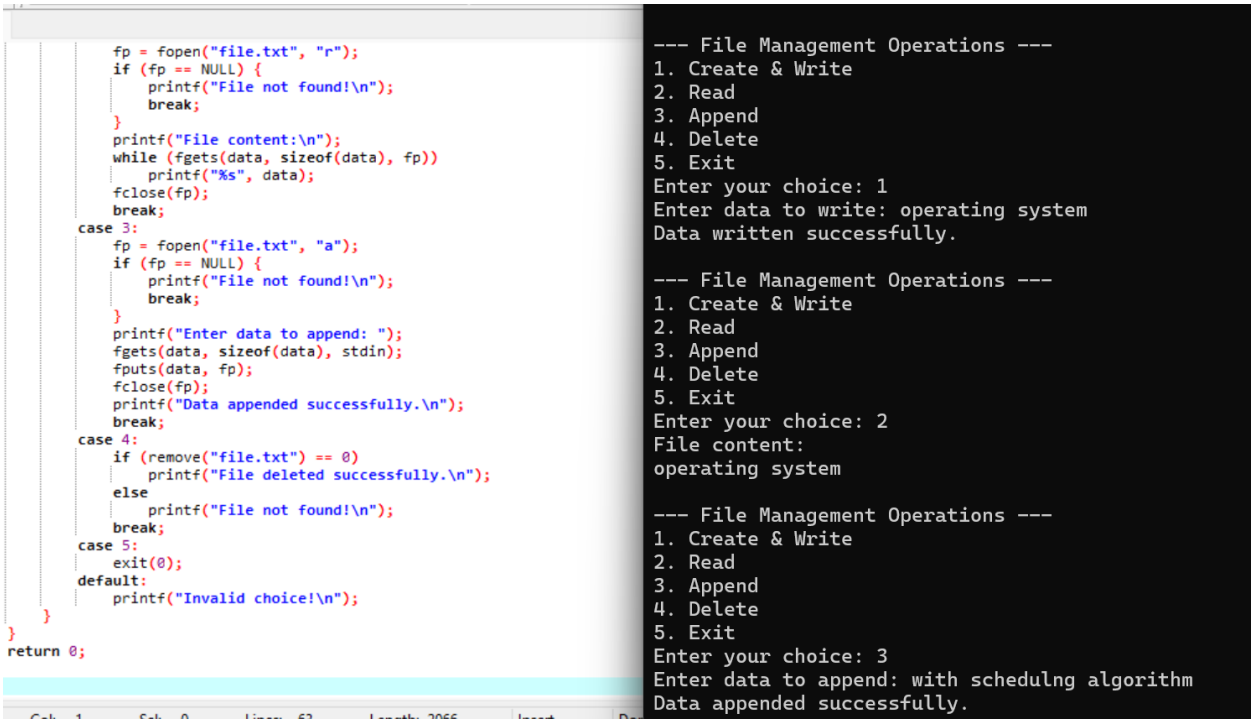
26. Construct a C program to implement the file management operations.

```
#include <stdio.h>
#include <stdlib.h>
int main() {
   FILE *fp;
   char data[100];
   int choice;
   while (1) {
      printf("\n--- File Management Operations ---\n");
      printf("1. Create & Write\n2. Read\n3. Append\n4. Delete\n5. Exit\n");
      printf("Enter your choice: ");
      scanf("%d", &choice);
      getchar();  // clear newline
      switch (choice) {
         case 1:
            fp = fopen("file.txt", "w");
            if (fp == NULL) {
               printf("Error creating file!\n");
               exit(1);
            }
            printf("Enter data to write: ");
            fgets(data, sizeof(data), stdin);
            fputs(data, fp);
            fclose(fp);
            printf("Data written successfully.\n");
            break;
```

```
case 2:
    fp = fopen("file.txt", "r");
    if (fp == NULL) {
        printf("File not found!\n");
        break;
    }
    printf("File content:\n");
    while (fgets(data, sizeof(data), fp))
        printf("%s", data);
    fclose(fp);
    break;
case 3:
    fp = fopen("file.txt", "a");
    if (fp == NULL) {
        printf("File not found!\n");
        break;
    }
    printf("Enter data to append: ");
    fgets(data, sizeof(data), stdin);
    fputs(data, fp);
    fclose(fp);
    printf("Data appended successfully.\n");
    break;
case 4:
    if (remove("file.txt") == 0)
        printf("File deleted successfully.\n");
```

```
            else
                printf("File not found!\n");
            break;
        case 5:
            exit(0);
        default:
            printf("Invalid choice!\n");
      }
   }
   return 0;
}
```

OUTPUT-



```
        fp = fopen("file.txt", "r");
        if (fp == NULL) {
            printf("File not found!\n");
            break;
        }
        printf("File content:\n");
        while (fgets(data, sizeof(data), fp))
            printf("%s", data);
        fclose(fp);
        break;
    case 3:
        fp = fopen("file.txt", "a");
        if (fp == NULL) {
            printf("File not found!\n");
            break;
        }
        printf("Enter data to append: ");
        fgets(data, sizeof(data), stdin);
        fputs(data, fp);
        fclose(fp);
        printf("Data appended successfully.\n");
        break;
    case 4:
        if (remove("file.txt") == 0)
            printf("File deleted successfully.\n");
        else
            printf("File not found!\n");
        break;
    case 5:
        exit(0);
    default:
        printf("Invalid choice!\n");
   }
}
return 0;
```

```
--- File Management Operations ---
1. Create & Write
2. Read
3. Append
4. Delete
5. Exit
Enter your choice: 1
Enter data to write: operating system
Data written successfully.

--- File Management Operations ---
1. Create & Write
2. Read
3. Append
4. Delete
5. Exit
Enter your choice: 2
File content:
operating system

--- File Management Operations ---
1. Create & Write
2. Read
3. Append
4. Delete
5. Exit
Enter your choice: 3
Enter data to append: with schedulng algorithm
Data appended successfully.
```