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#include <stdio.h>

#include <stdlib.h>


int main() {

    FILE *file;

    char filename[50];

    char data[100];


    printf("Enter the filename: ");

    scanf("%s", filename);


    // Creating a file

    file = fopen(filename, "w");

    if (file == NULL) {

        printf("Error creating file!\n");

        exit(1);

    }

    printf("File created successfully!\n");


    // Writing data to the file

    printf("Enter data to write to the file: ");

    scanf("%[^\n]", data);

    fprintf(file, "%s\n", data);


    fclose(file);


    // Reading data from the file

    file = fopen(filename, "r");

    if (file == NULL) {

        printf("Error opening file!\n");

        exit(1);

    }

}
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}

printf("Reading data from the file:\n");
while (fgets(data, sizeof(data), file) != NULL) {
    printf("%s", data);
}

fclose(file);

// Appending data to the file
file = fopen(filename, "a");
if (file == NULL) {
    printf("Error opening file for appending!\n");
    exit(1);
}

printf("Enter data to append to the file: ");
scanf("%[^\n]", data);
fprintf(file, "%s\n", data);

fclose(file);

// Reading data again to see the appended data
file = fopen(filename, "r");
if (file == NULL) {
    printf("Error opening file!\n");
    exit(1);
}

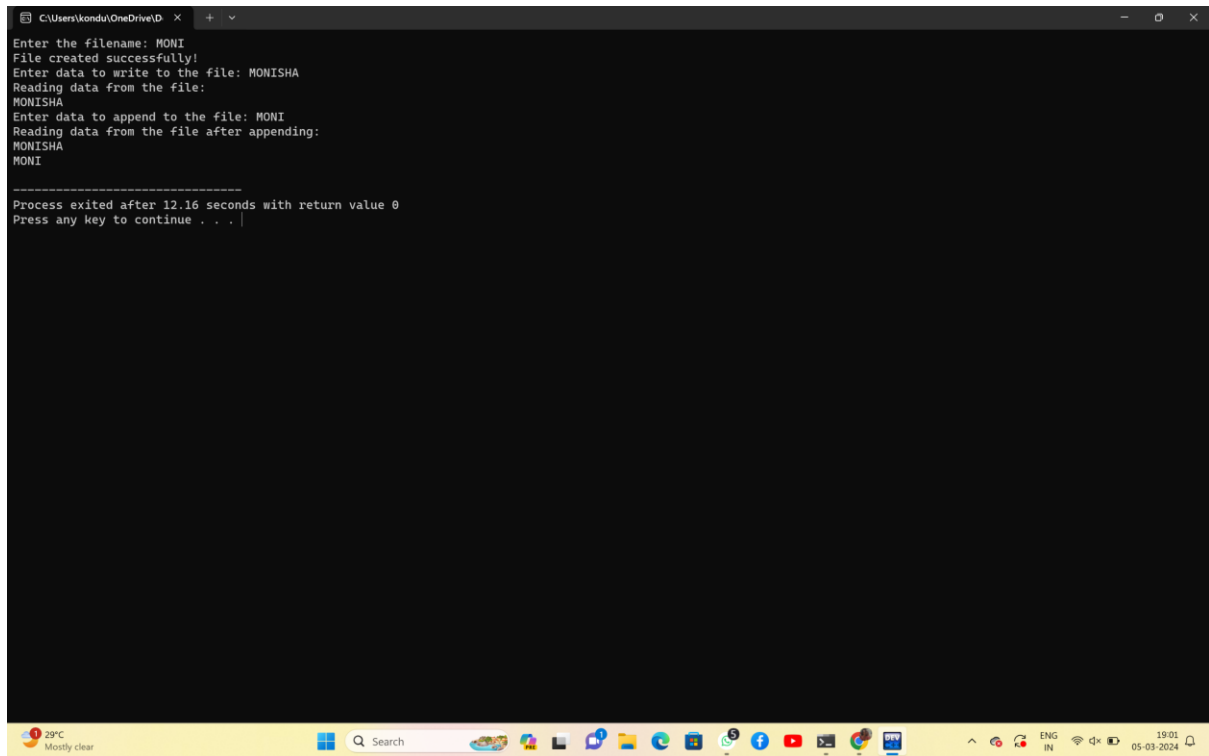
printf("Reading data from the file after appending:\n");
while (fgets(data, sizeof(data), file) != NULL) {
    printf("%s", data);
}

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fclose(file);
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return 0;
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}
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```
C:\Users\kondur\OneDrive\ID >
Enter the filename: MONI
File created successfully!
Enter data to write to the file: MONISHA
Reading data from the file:
MONISHA
Enter data to append to the file: MONI
Reading data from the file after appending:
MONISHA
MONI

-----
Process exited after 12.16 seconds with return value 0
Press any key to continue . . .
```