

Menu driven program using File Handling

PPS ASSIGNMENT-3

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ALGORITHM:

Step 1: Start

Step 2: Open an empty file in write mode.

Step 3: If it is not end of file

Step 4: Write data into that file.

Step 5: Close the write mode operation

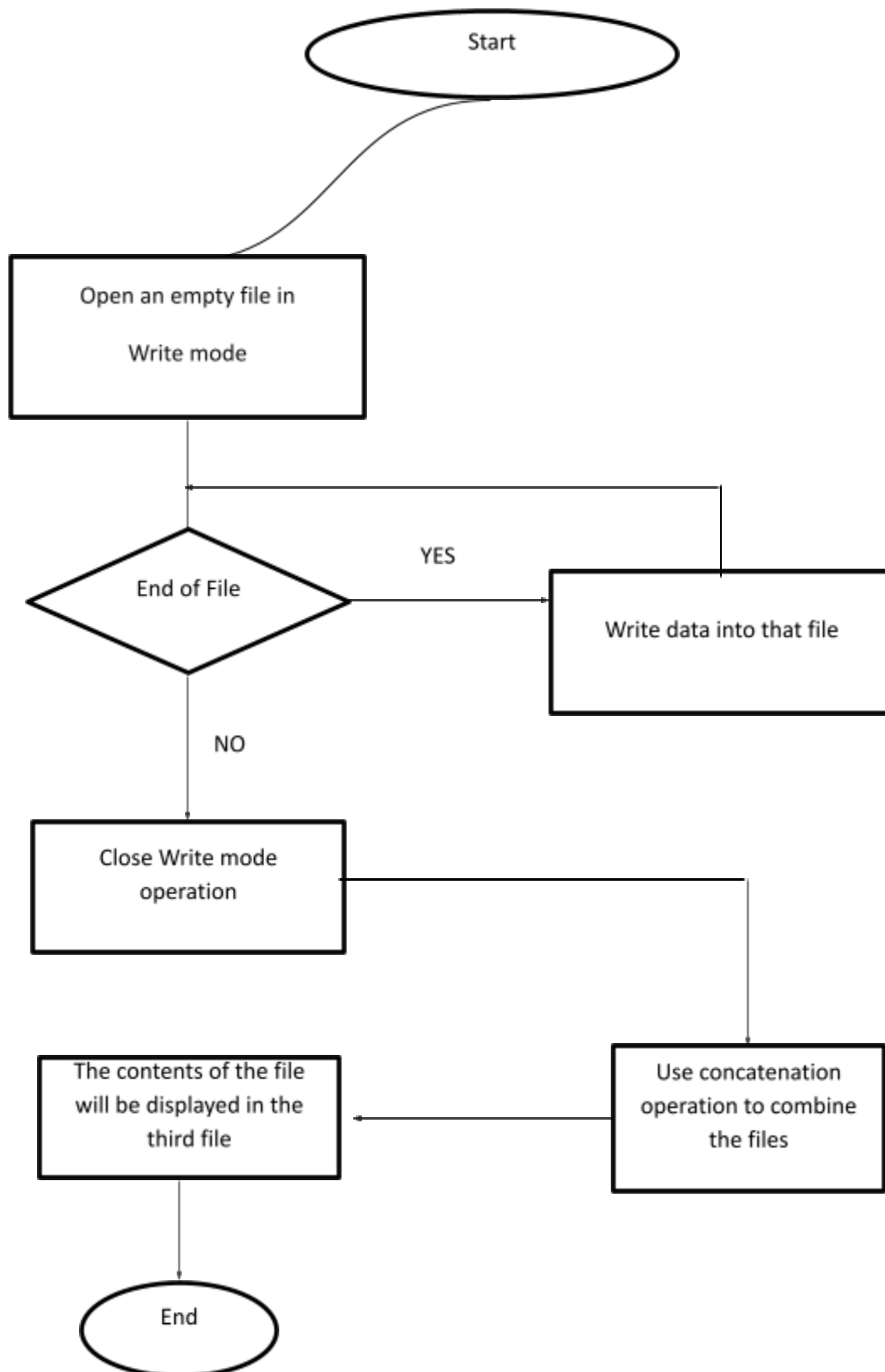
Step 6: Repeat the above process for the second file.

Step 7: Now use concatenation operation to combine the files.

Step 8: The contents of the file will be displayed in the third file.

Step 9: Stop

FLOWCHART:



PSEUDOCODE:

STEP 1: Start

STEP 2: Use variables of type char: ch, file1[50], file2[50], file3[50]

STEP 3: Open the files file1 and file2 in read mode.

STEP 4: Open the file file3 in write mode.

STEP 5: Get the characters of file1 and file2 by using a loop.

STEP 6: Finally the contents will be merged in file3.

SOURCE CODE:

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

```
#include<conio.h>
```

```
#include<stdlib.h>
```

```
int main()
```

```
{
```

```
    FILE *fs1, *fs2, *ft;
```

```
    char ch, file1[50], file2[50], file3[50];
```

```
    printf("Enter name of first file :: ");
```

```
    gets(file1);
```

```
    printf("\nEnter name of second file :: ");
```

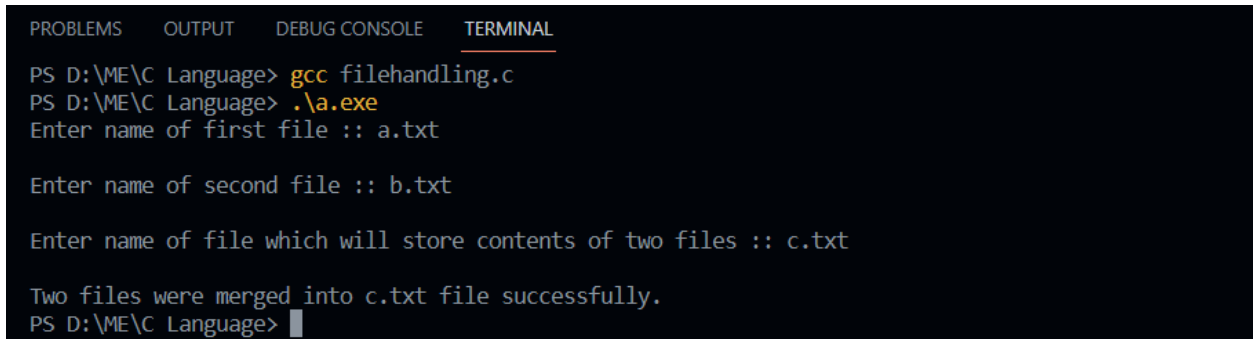
```
    gets(file2);
```

```
    printf("\nEnter name of file which will store contents of two files :: ");
```

```
    gets(file3);
```

```
fs1 = fopen(file1,"r");
fs2 = fopen(file2,"r");
if( fs1 == NULL || fs2 == NULL ) {
    perror("Error ");
    printf("Press any key to exit...\n");
    exit(EXIT_FAILURE);
}
ft = fopen(file3,"w");
if( ft == NULL ) {
    perror("Error ");
    printf("Press any key to exit...\n");
    exit(EXIT_FAILURE);
}
while( ( ch = fgetc(fs1) ) != EOF )
    fputc(ch,ft);
while( ( ch = fgetc(fs2) ) != EOF )
    fputc(ch,ft);
printf("\nTwo files were merged into %s file successfully.\n",file3);
fclose(fs1);
fclose(fs2);
fclose(ft);
return 0;}
```

SAMPLE OUTPUT:



```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
PS D:\ME\C Language> gcc filehandling.c
PS D:\ME\C Language> .\a.exe
Enter name of first file :: a.txt

Enter name of second file :: b.txt

Enter name of file which will store contents of two files :: c.txt

Two files were merged into c.txt file successfully.
PS D:\ME\C Language> 
```

SUMMARY:

Hence after the completion of the project I got familiar with the C programming and its features.

As a whole, the project has been a good learning experience for me. I have gained knowledge about the various aspects of C programming. At the same time, we have developed a deep understanding of the file handling in C.