

FILE PROGRAM

AIM:

To create a program that will read from a file and write into another file.

ALGORITHM:

- Declare file pointers for source file and destination file.
- Open the source file in read mode.
- Open the destination file in write mode.
- Check whether the destination file is created successfully.
- Check whether the source file exists.
- Read a character from the source file.
- Write the read character into the destination file.
- Repeat the read and write process until the end of the source file is reached.
- Display a message indicating that the file has been copied successfully.
- Close both the source file and the destination file.

PROGRAM:

```
/*
 * Program read and wirte files
 * Author    : MUTHUGANESH S
 * Date      : 20/01/2026
 * Filename  : FileProgram.c
 * retval    : void
 */

#include <stdio.h>
#include <stdlib.h>

int main(void)
{
    FILE *SourcePointer,*DestinationPointer;
    char ch;
    SourcePointer = fopen("File1.txt", "r");
    DestinationPointer = fopen("File2.txt", "w");

    if(DestinationPointer == NULL)
    {
        printf("File not created\n");
        exit(1);
    }
```

```

if (SourcePointer == NULL)
{
    printf("File not found\n");
    exit(1);
}

while ((ch = fgetc(SourcePointer)) != EOF){
    fputc(ch, DestinationPointer);
}

printf("File copied successfully\n");

fclose(DestinationPointer);
fclose(SourcePointer);
return 0;
}

```

OUTPUT:

The screenshot displays a Windows command prompt window and two Notepad windows. The command prompt window shows the following sequence of events:

```

Microsoft Windows [Version 10.0.26200.6899]
(c) Microsoft Corporation. All rights reserved.

M:\training\C\FILE>gcc FileProgram.c -o FileProgram.exe
M:\training\C\FILE>FileProgram
File copied successfully

M:\training\C\FILE>

```

Below the command prompt, two Notepad windows are open. The left window, titled "File2.txt", contains the text:

This is my File Program to read from one file and
Write in another file.

The right window, titled "File1.txt", also contains the same text:

This is my File Program to read from one file and
Write in another file.

At the bottom of the screen, the taskbar shows the date and time as 20-01-2026 21:24, along with icons for search, file explorer, and other system functions.