S.No: 29	Exp. Name: *Write a C program to Copy contents of one File into another File*	Date:2023-05-11

Aim:

Write a program to `copy` contents of one file into another file. Follow the instructions given below to write a program to copy the contents of one file to another file:
- Open a new file " `SampleTextFile1.txt` " in write mode
- Write the content onto the file
- Close the file
- Open an existing file " `SampleTextFile1.txt` " in read mode
- Open a new file " `SampleTextFile2.txt` " in write mode
- Copy the content from existing file to new file
- Close the files
- Open the copied file in read mode
- Read the text from file and print on the screen
- Close the file

Source Code:

CopyFile.c

```c
#include<stdio.h>
int main()
{
    FILE *fp1;
    FILE *fp2;
    char ch,c;
    fp1=fopen("SampleText1.txt","w");
    printf("Enter the text with @ at end : ");
    while((ch=getchar())!='@')
    {
        putc(ch,fp1);
    }
    putc(ch,fp1);
    fclose(fp1);
    fp1=fopen("SampleText1.txt","r");
    fp2=fopen("SampleText2.txt","w");
    while((c=fgetc(fp1))!='@')
    {
        fputc(c,fp2);
    }
    fclose(fp1);
    fclose(fp2);
    fp2=fopen("SampleText2.txt","r");
    printf("Copied text is : ");
    while((c=getc(fp2))!=EOF)
    {
        putchar(c);
    }
    printf("\n");
    fclose(fp2);
}
```

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Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter the text with @ at end : CodeTantra started in the year 2014@
Copied text is : CodeTantra started in the year 2014

Test Case - 2
User Output
Enter the text with @ at end : CodeTantra received
best Startup award from Hysea in 2016@
Copied text is : CodeTantra received
best Startup award from Hysea in 2016