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:

Program1502.c

```c
#include <stdio.h>
void main()
{
    FILE *fp, *fp1, *fp2;
    char ch;
    fp = fopen("SampleTextFile1.txt", "w"); // Open a new file in write mode
    printf("Enter the text with @ at end : ");
    while ((ch=getchar())!='@')
    { // Read loop till get @ at the end
        putc(ch, fp);
    }
    putc(ch,fp);
    fclose(fp);
    fp1 = fopen("SampleTextFile1.txt", "r"); // Open an existed file in read mode
    fp2 = fopen("SampleTextFile2.txt", "w"); // Open a new file in write mode
    while ((ch=getc(fp1))!='@')
    { // Repeat loop till get @ at the end of existed file
        putc(ch, fp2);
    }
    putc(ch,fp2);
    fclose(fp1); // Close the existed file
    fclose(fp2); // Close the copied file
    fp2 = fopen("SampleTextFile2.txt", "r"); // Open the copied file in read mode
    printf("Copied text is : ");
    while ((ch=getc(fp2))!='@')
    { // Repeat loop till get @ at the end of copied file
        putchar(ch);
    }
    printf("\n");
    fclose(fp2);
}
```

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