S.No: 47	Exp. Name: *Write a C program to Open a File and to Print its contents on the screen*	Date:2023-01-27

Aim:

Follow the instructions given below to write a program to `open` a file and to `print` its **contents** on the screen.

- Open a new file " `SampleText1.txt` " in write mode
- Write the content in the file
- Close the file
- Open the same file in read mode
- Read the content from file and print them on the screen
- Close the file

Source Code:

Program1501.c

```c
#include <stdio.h>
void main() {
    FILE *fp;
    char ch;
    fp = fopen("SampleText1.txt", "w"); // Open a new file in write mode
    printf("Enter the text with @ at end : ");
    while ((ch=getchar())!='@') { // Repeat loop till read @ at the end
        putc(ch,fp); // Put read character onto the file
    }
    putc('@',fp); // Put delimiter @ at the end on the file
    fclose(fp); // Close the file
    fp = fopen("SampleText1.txt", "r"); // Open the existed file in read mode
    printf("Given message is : ");
    while ((ch=fgetc(fp))!='@') { // Repeat loop till get @ at the end of existed file
        putchar(ch); // Put the character on the screen
    }
    printf("\n");
    fclose(fp); // Close the file
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter the text with @ at end : CodeTantra is a
Startup Company recognized by Government of India@
Given message is : CodeTantra is a
Startup Company recognized by Government of India

Test Case - 2
User Output
Enter the text with @ at end : CodeTantra is
increasing development of Languages Year
by Year@

| Given message is : CodeTantra is |
| increasing development of Languages Year |
| by Year |