

Aim:

Write a program to **append** data to an existing file and **display** its contents.

- open a new file "DemoTextFile1.txt" in write mode
- write the content onto the file
- close the file
- open a new same file in append mode
- write the content onto the file
- close the file
- open the same file in read mode
- read the text from file and print them on the screen
- close the file

Source Code:

appendDataToFile.c

```
#include <stdio.h>
void main()
{
    FILE *fp;
    char ch;
    fp = fopen("DemoTextFile1.txt", "w");
    printf("Enter the text with @ at end : ");
    while ((ch = getchar()) != '@')
    {
        putc(ch, fp);
    }
    fclose(fp);
    fp = fopen("DemoTextFile1.txt", "a");
    printf("Enter the text to append to a file with @ at end : ");
    while ((ch = getchar()) != '@')
    {
        putc(ch, fp);
    }
    putc(ch, fp);
    fclose(fp);
    fp = fopen("DemoTextFile1.txt", "r");
    printf("File content after appending : ");
    while ((ch = getc(fp)) != '@')
    {
        putchar(ch);
    }
    printf("\n");
    fclose(fp);
}
```

Execution Results - All test cases have succeeded!

Test Case - 1**User Output**

Enter the text with @ at end : I am studying@

Enter the text to append to a file with @ at end : Life skills in University@
File content after appending : I am studying
Life skills in University

Test Case - 2
User Output
Enter the text with @ at end : CodeTantra
developed@
Enter the text to append to a file with @ at end : an interactive tool
to learn Programming@
File content after appending : CodeTantra
developed
an interactive tool
to learn Programming