

Aim:

Write a program to merge two files and stores their contents in another file.

- Open a new file "SampleDataFile1.txt" in write mode
- Write the content onto the file
- Close the file
- Open another new file "SampleDataFile2.txt" in write mode
- Write the content onto the file
- Close the file
- Open first existing file "SampleDataFile1.txt" in read mode
- Open a new file "SampleDataFile3.txt" in write mode
- Copy the content from first existing file to new file
- Close the first existing file
- Open another existing file "SampleDataFile2.txt" in read mode
- Copy its content from existing file to new file
- Close that existing file
- Close the merged file

Source Code:**Merge.c**

```
#include <stdio.h>
void main()
{
    FILE *fp1, *fp2, *fp3;
    char ch;
    fp1 = fopen("SampleDataFile1.txt", "w");
    printf("Enter the text with @ at end for file-1 :\n");
    while ((ch = getchar()) != '@')
    {
        putc(ch, fp1);
    }
    putc(ch, fp1);
    fclose(fp1);
    fp2 = fopen("SampleDataFile2.txt", "w");
    printf("Enter the text with @ at end for file-2 :\n");
    while ((ch = getchar()) != '@')
    {
        putc(ch, fp2);
    }
    putc(ch, fp2);
    fclose(fp2);
    fp1 = fopen("SampleDataFile1.txt", "r");
    fp3 = fopen("SampleDataFile3.txt", "w");
    while ((ch = getc(fp1)) != '@')
    {
        putc(ch, fp3);
    }
    fclose(fp1);
    fp2 = fopen("SampleDataFile2.txt", "r");
    while ((ch = getc(fp2)) != '@')
    {
```

```

        putc(ch, fp3);
    }
    putc(ch, fp3);
    fclose(fp2);
    fclose(fp3);
    fp3 = fopen("SampleDataFile3.txt", "r");
    printf("Merged text is : ");
    while ((ch = getc(fp3)) != '@')
    {
        putchar(ch);
    }
    printf("\n");
    fclose(fp3);
}

```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter the text with @ at end for file-1 : CodeTantra developed an interactive tool in the year 2014
CodeTantra got best Startup award in 2016@
Enter the text with @ at end for file-2 : Now lot of Companies and Colleges using CodeTantr
Merged text is : CodeTantra developed an interactive tool in the year 2014
CodeTantra got best Startup award in 2016
Now lot of Companies and Colleges using CodeTantra Tool