

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 c,ch,chh;
fp1=fopen("SampleDataFile1.txt","w");
printf("Enter the text with @ at end for file-1 :\n");
while((c=getchar())!='@')
{
putc(c,fp1);
}
putc(c,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);
fp3=fopen("SampleDataFile3.txt","w");
fp1=fopen("SampleDataFile1.txt","r");
while((chh=fgetc(fp1))!='@')
{
    fputc(chh,fp3);
}
fclose(fp1);
fp2=fopen("SampleDataFile2.txt","r");
while((chh=fgetc(fp2))!='@')
{
```

```

fputc(chh,fp3);
}
fclose(fp2);
fclose(fp3);
fp3=fopen("SampleDataFile3.txt","r");
printf("Merged text is : ");
while((chh=getc(fp3))!=EOF)
{
    putchar(chh);
}
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