

Practical No.10

Aim: Programs based on Files and Command Line Arguments (File handling functions)

1. C Program to Copy One File to Another File.

Program:

```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>

void main()
{
    FILE *fp1, *fp2;
    char ch;
    clrscr();

    fp1 = fopen("Sample.txt", "r");
    fp2 = fopen("Output.txt", "w");

    while (1)
    {
        ch = fgetc(fp1);

        if (ch == EOF)
            break;
        else
            putc(ch, fp2);
    }

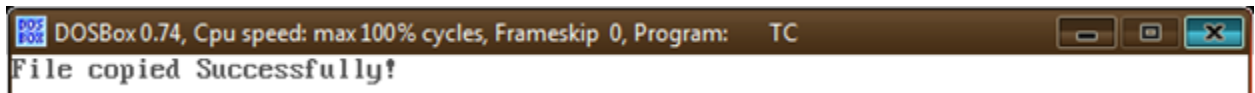
    printf("File copied Successfully!");

    fclose(fp1);
    fclose(fp2);

    getch();
}
```

Output:

File copied Successfully!



2. C Program to Convert the File Contents in Upper Case & Write it in Output

Program:

```
#include<stdio.h>
#include<conio.h>
#include<process.h>

void main() {
    FILE *fp1, *fp2;
    char a;

    clrscr();
```

```

fp1 = fopen("sample.txt", "r");

if (fp1 == NULL)
{
    puts("cannot open this file");
    exit(1);
}

fp2 = fopen("output.txt", "w");

if (fp2 == NULL)
{
    puts("Not able to open this file");
    fclose(fp1);
    exit(1);
}

do
{
    a = fgetc(fp1);
    a = toupper(a);
    fputc(a, fp2);
}
while (a != EOF);

fcloseall();

getch();
}

```

Output:

—



3. C Program to Compare Two Files (Text or Data)

Program:

```

#include<stdio.h>
#include<conio.h>

void main()
{
    FILE *fp1, *fp2;
    int ch1, ch2;
    char fname1[40], fname2[40];

    clrscr();

    printf("Enter name of first file :");
    gets(fname1);

    printf("Enter name of second file :");
    gets(fname2);

    fp1 = fopen(fname1, "r");
    fp2 = fopen(fname2, "r");
}

```

```

if (fp1 == NULL)
{
    printf("Cannot open %s for reading ", fname1);
    exit(1);
}

else if (fp2 == NULL)
{
    printf("Cannot open %s for reading ", fname2);
    exit(1);
}

else
{
    ch1 = getc(fp1);
    ch2 = getc(fp2);

    while ((ch1 != EOF) && (ch2 != EOF) && (ch1 == ch2))
    {
        ch1 = getc(fp1);
        ch2 = getc(fp2);
    }

    if (ch1 == ch2)
        printf("Files are identical n");

    else if (ch1 != ch2)
        printf("Files are Not identical n");

    fclose(fp1);
    fclose(fp2);
}

getch();
}

```

Output:

```

Enter name of first file :sample.txt
Enter name of second file :output.txt
Files are Not identical n

```

