**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!

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**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);

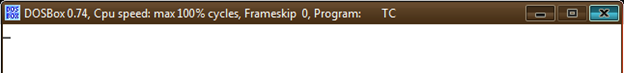
fcloseall();

getch();

}

**Output:**

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**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();

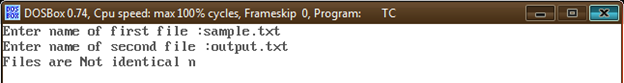
}

**Output:**

Enter name of first file :sample.txt

Enter name of second file :output.txt

Files are Not identical n

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