

# ASSIGNMENT 7

```

// assignment 7 program 1
/*
"Write a program that reads a text file and creates another file that is identical
except that every character is in upper case."
*/
#include<iostream>
#include<fstream>
#include<conio.h>
#include<stdlib.h>
#include<ctype.h>
using namespace std;
int main(){

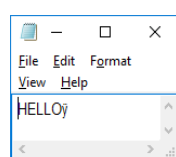
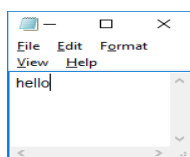
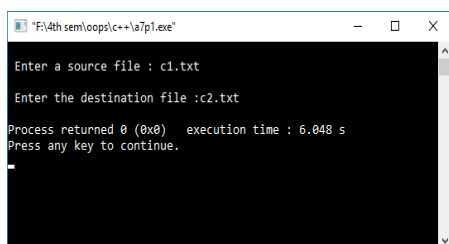
    ofstream fout;
    ifstream fin;
    char fname2[10],fname1[10];
    char ch,uch;
    cout << "\n Enter a source file : ";
    cin >> fname1;
    cout << "\n Enter the destination file : " ;
    cin >> fname2;
    fin.open(fname1);
    if(fin.fail()){
        cout << "\n No such file exit :";
    }
}

```

```

        getch();
        exit(1);
    }
    fout.open(fname2);
    if(fout.fail()){
        cerr<< "\n No file exits : ";
        getch();
        exit(1);
    }
    while(!fin.eof()){
        ch=(char)fin.get();
        uch=toupper(ch);
        fout.put(uch);
    }
    fin.close();
    fout.close();
    return 0;
}

```



```
// assignment 7 program 2
```

```
/*
```

```
Write a program that reads a text file
```

```
and creates another text file that is identical except that every letter must be converted to  
lower case irrespective of its original case (e.g 'a' or 'A' will become 'a'). */
```

```
#include<iostream>
```

```
#include<fstream>
```

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

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

```
#include<ctype.h>
```

```
using namespace std;
```

```
int main(){
```

```
    ofstream fout;
```

```
    ifstream fin;
```

```
    char fname2[10],fname1[10];
```

```
    char ch,uch;
```

```
    cout << "\n Enter a source file : ";
```

```
        cin >> fname1;
```

```
    cout << "\n Enter the destination file :";
```

```
        cin >> fname2;
```

```
    fin.open(fname1);
```

```
    if(fin.fail()){
```

```
        cout << "\n No such file exit :";
```

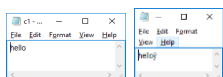
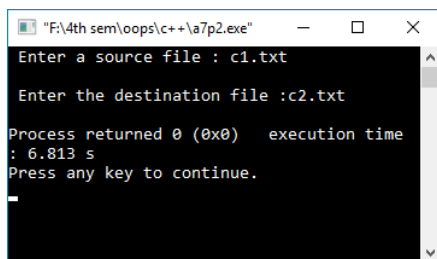
```

        getch();
        exit(1);
    }
    fout.open(fname2);
    if(fout.fail()){
        cerr<< "\n No file exits : ";
        getch();
        exit(1);
    }
    while(!fin.eof()){

        ch=(char)fin.get();
        uch=tolower(ch);
        fout.put(uch);
    }

    fin.close();
    fout.close();
    return 0;
}

```



```
// assignment 7 program 3
```

```
/*
```

Write a program which uses command line argument to copy the contents of a file A.txt into another file B.txt by reversing case of the characters. E.g. File A.txt: aBCd File B.txt: AbcD

```
*/
```

```
#include<iostream>
```

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

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

```
#include<ctype.h>
```

```
#include<fstream>
```

```
using namespace std;
```

```
int main(){
```

```
    char fname1[10],fname2[10];
```

```
    char ch,uch,lch;
```

```
    cout << "\n Enter source file name : ";
```

```
    cin >> fname1;
```

```
    cout << "\n Enter destination file name : ";
```

```
    cin >> fname2;
```

```
    ofstream fout;
```

```
    ifstream fin;
```

```
        fin.open(fname1);
```

```
        if(fin.fail()){
```

```
    cerr<<"No such file exit : ";
    getch();
    exit(1);
}

fout.open(fname2);
if(fout.fail()){
    cerr<< "\n Unable to create a file : ";
    getch();
    exit(1);
}

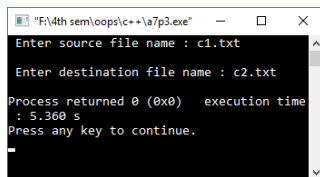
while(!fin.eof()){

    ch=(char)fin.get();
    if(ch>='a'&&ch<='z'){
        uch=toupper(ch);
    }
    else{
        uch=tolower(ch);
    }
    fout<<uch;
}

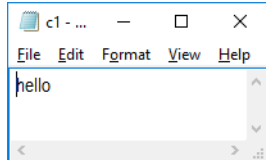
fin.close();
fout.close();
```

```
return 0;
```

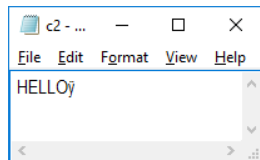
```
}
```



```
"F:\4th sem\oops\c++\a7p3.exe"
Enter source file name : c1.txt
Enter destination file name : c2.txt
Process returned 0 (0x0)   execution time
: 5.360 s
Press any key to continue.
```



```
c1 - ...
File Edit Format View Help
hello
```



```
c2 - ...
File Edit Format View Help
HELLO
```



```
// assignment 7 program 4

/*
Write a program to copy the contents of a source file student1.txt
to a destination file student2.txt character by character.
*/

#include<iostream>
#include<conio.h>
#include<fstream>
#include<conio.h>
#include<ctype.h>
#include<stdlib.h>
using namespace std;
int main(){

char fname1[10],fname2[10];
char ch;

    cout<< "\n Enter source file : ";
    cin >> fname1;
    cout<< "\n Enter destination file : ";
    cin >> fname2;

    fstream fout,fin;
    fin.open(fname1);
    if(!fin){
        cerr << "\n No such file exist :";
        getch();
    }
}
```

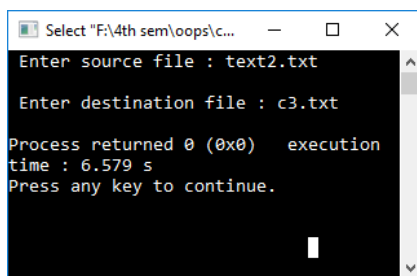
```

        exit(1);
    }
    fout.open(fname2);
    if(!fout){
        cerr << "\n Unable to open a file : ";
        getch();
        exit(1);
    }

    while(!fin.eof()){
        fin>>ch;
        fout<<ch;
    }

    fin.close();
    fout.close();
    return 0;
}

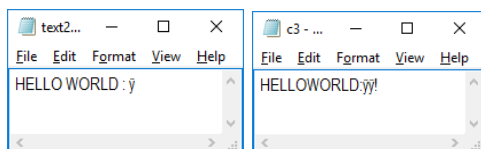
```



```

Select "F:\4th sem\oops\c...
Enter source file : text2.txt
Enter destination file : c3.txt
Process returned 0 (0x0)  execution
time : 6.579 s
Press any key to continue.

```



```
// assignment 7 program 5
```

```
/*
```

"A file contains a list of phone numbers in the following form

```
John      23406
```

```
Ahmed     56789
```

```
.....
```

The name contains only one word and the names and telephone numbers are separated by white spaces.

Write a program to read the file and output the list in two columns. The names should be left-justified and numbers should be right-justified in a suitable field width."

```
*/
```

```
#include<iostream>
```

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

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

```
#include<ctype.h>
```

```
#include<fstream>
```

```
using namespace std;
```

```
int main(){
```

```
char ch,ch1;
```

```
    fstream file;
```

```
    file.open("contact.txt",ios::in|ios::out);
```

```
    file.seekg(0);
```

```
    file.get(ch);
```

```
    while(!file.eof()){
```

```
    ch1=ch;
file.get(ch);

    if(ch==' '&&ch1!=' '){
        cout << ch1 << " ";
    }

    if(ch!=' '&&ch1!=' '){
        cout << ch1;
    }

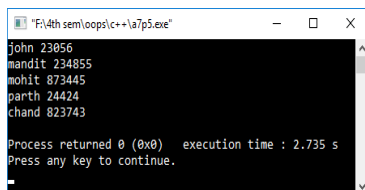
}

file.close();

getch();

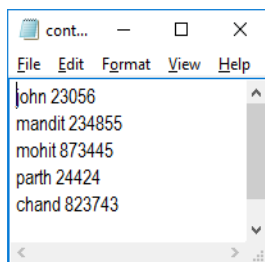
return 0;

}
```



```
F:\4th sem\oops\c++\a7p5.exe
john 23056
mandit 234855
mohit 873445
parth 24424
chand 823743

Process returned 0 (0x0) execution time : 2.735 s
Press any key to continue.
```



```
cont...
john 23056
mandit 234855
mohit 873445
parth 24424
chand 823743
```

```
// assignment 7 program 6
```

```
/*
```

Write a program that opens two text files for reading data.

It creates a third file that contains the text of first file and then that of second file

(text of second file to be appended after text of the first file, to produce the third file).

```
*/
```

```
#include<iostream>
```

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

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

```
#include<ctype.h>
```

```
#include<fstream>
```

```
using namespace std;
```

```
int main(){
```

```
    fstream file1,file2,file3;
```

```
    char ch;
```

```
    file1.open("c1.txt",ios::in);
```

```
    file2.open("c2.txt",ios::in);
```

```
    if(!file1){
```

```
        cerr<< "No such file exit :";
```

```
        getch();
```

```
        exit(1);
```

```
    }
```

```
    if(!file2){
```

```
        cerr<< "\n No such file exit : ";
```

```
    getch();
    exit(1);
}
file3.open("c3.txt",ios::out);

while(!file1.eof())
{
    file1>>ch;
    file3<<ch;

}
while(!file2.eof()){
    file2>>ch;
    file3<<ch;
}
cout << "\n File merged successfully ";

file1.close();
file2.close();
file3.close();
getch();
return 0;
```

}

```
"F:\4th sem\oops\c++\a7... - □ X
File merged successfully
Process returned 0 (0x0)   execution
time : 2.250 s
Press any key to continue.
^
```

```
c1 - ... - □ X
File Edit Format View Help
hello
^
```

```
c2 - ... - □ X
File Edit Format View Help
world!!
^
```

```
c3 - ... - □ X
File Edit Format View Help
hellooworld!!!
^
```