
	<p>Pimpri Chinchwad Education Trust's  <b>Pimpri Chinchwad College of Engineering</b>          Sector No. 26, Pradhikaran,          Nigdi, Pune – 411 044</p>	
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## Subject: Object Oriented Programming Lab

Experiment No: 11 Date Of performance: Class: SE Div : C

Date of Submission:

Name: Aditya Sunilkumar Pandey

Roll No.: SEETC342

Grade/Marks:

Signature:

**TITLE:**

**AIM:** Write a C++ program which copies the contents of one file to another.

**OBJECTIVE:**

**THEORY:**

In C++, files are mainly dealt by using three classes fstream, ifstream, ofstream available in fstream headerfile.

ofstream: Stream class to write on files  
 ifstream: Stream class to read from files  
 fstream: Stream class to both read and write from/to files.

File Handling Is Used. In this program, there are two files and we have to copy the first file data to another file.

Keep in mind while doing this either keep both files located in the same folder or you can provide a path of the **source file and destination file**.

The **first step** you have to **create a two file one is source.txt and second one is destination.txt** then after putting some content in the **source file and save the file**.

Now Run the program using Dev C++ and when the program requests you to enter the **name of the source file**, then enter the **source.txt**. now press enter.

Our Program to **Copy One Text File to Another** C++ done rest of the things and **copied the source.txt file content to the destination.txt** that we have created early.

## CODE:

```
#include <iostream>
#include <fstream>
using namespace std;
int main()
{ ifstream fs; ofstream ft; string str; char
sourcefile[50], destinationfile[50]; cout <<
"Enter Source File with Extension: ";
gets(sourcefile); fs.open(sourcefile);
if (!fs)
{ cout << "Error in Opening Source
File...!!!"; exit(1);
//The exit function, declared in <stdlib.h>, terminates a C++ program.
} cout << "Enter Destination File with Extension: ";
gets(destinationfile); ft.open(destinationfile);
if (!ft)
{ cout << "Error in Opening Destination
File...!!!"; fs.close(); exit(2); if (fs && ft)
{ while (getline(fs,
str)) { ft << str <<
"\n";
} cout << "\n\n Source File Date Successfully Copied to Destination
File...!!!"; } else
{ cout << "File Cannot
Open...!!!";
}
cout << "\n\n Open Destination File and
Check!!!\n"; fs.close(); ft.close(); }
```

## OUTPUT:

```
Enter Source File with Extension: source.txt
Enter Destination File with Extension: destination.txt

Source File Data Successfully Copied to Destination File...!!!

Open Destination File and Check!!!

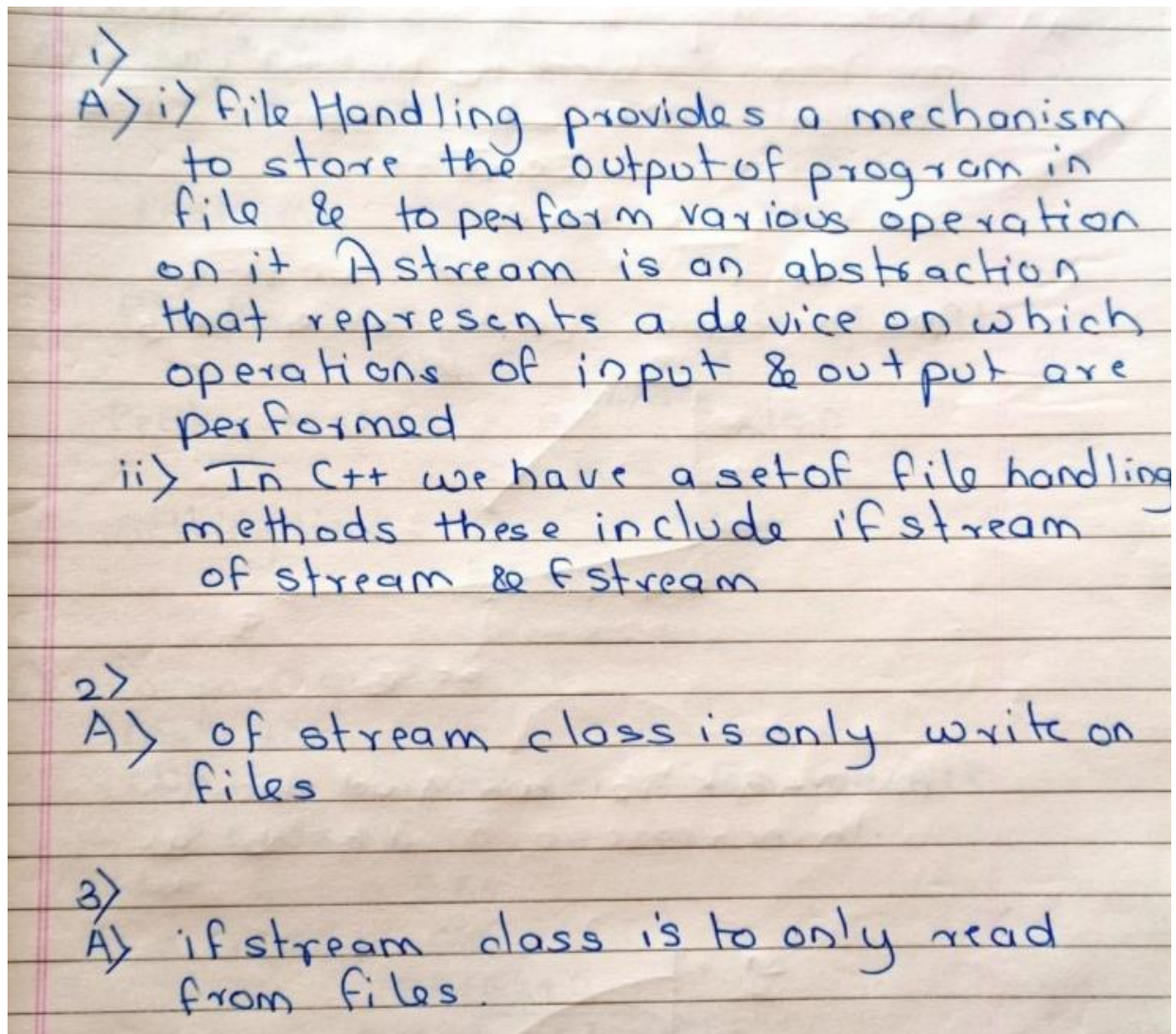
-----
Process exited after 13.01 seconds with return value 0
Press any key to continue . . .
```

### **CONCLUSION:**

In this experiment we learnt to write a C++ program which copies the contents of one file to another.

### **QUESTIONS:**

1. What is File Handling?
2. Which stream class is to only write on files ?
3. Which stream class is to only read from files ?



#### REFERENCE:

- [1] Robert Lafore, "Object Oriented Programming with C++", 4<sup>th</sup> Edition, Ch-6, pp:227-230.
- [2] E. Balgurusamy, "Object Oriented Programming with C++", 7<sup>th</sup> Edition, Tata McGraw Hill, New Delhi, 2018, Ch- 6, pp-129-147.

#### Virtual LAB Links:

- 1. Object Oriented Programming with C++:  
<http://vlabs.iitb.ac.in/vlabs-dev/labs/oops/index.php>
- 2. Problem Solving Lab: <http://ps-iiith.vlabs.ac.in>