# Lab IO3: Byte Array Streams

## Objectives

In this lab you will be copying a file via using FileInputStream and FileOutputStream that read and write from a 128 byte buffer

## Lab Setup

1. Create a Java Project with a package called iolab
2. You can copy the code from the Byte Copy project

## Code Modifications

1. Change the single byte to a 128 size byte array.
2. Add a couple of variables so you can track how many times file reads are done. The inputCount variable will count the number of times a chunk of data is read.

Text

Description automatically generated

1. Since you now reading a chunk of data, the read method will return the number of byes read into the buffer, not the value that was read.

Text

Description automatically generated

1. Graphical user interface, text, application

   Description automatically generated Print out the total number of bytes copied
2. Does the output file look correct? If not, what do you think happened?