

Title: Big Five**Issue date:** Tuesday, 10th November 2020**Submission date:** Friday, 13th November 2020 (before midnight)**Tasks:**

Accompanying this lab assignment is a zip file containing the Big Five start code (Big Five in BBL). The zip file contains a Visual Studio project for a bespoke `array` class that uses dynamic memory to mimic a C++ built in array.

As the class manages its own memory it must implement a destructor to free memory allocated on the heap once the destructor is called. In accordance with the rule of five we must implement copy and move functions to ensure the class can be used as expected by client code.

Your task is to complete the `Array` class by writing the following functions:

- Copy constructor [1 Mark]
- Destructor [1 Mark]
- Copy assignment operator [2 Marks]
- Move constructor [3 Marks]
- Move assignment operator [3 Marks]

Total = **10 marks**

(10% of your final coursework mark)

Submission details:

- Please make your submission to BBL – Use the relevant tab to upload your codes.
- **You should submit your header file, your class implementation file and your main.cpp**
- If you DO NOT submit your code your submission will receive **a mark of zero**. Please ensure that your .zip folder that you upload to BBL contains:
 - Header file (.h or .hpp)
 - Class implementation file (.c or .cpp)
 - Main file (.c or .cpp)

***All source files (fully commented with author info)**

- Feedback of your submission will be made directly on BBL (3 days after submission).