

**MTH 4300 SMWA**, Spring 2018

Professor Ivan Matic, Baruch College

*Homework 6*

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**Problem 2:** What is the output of `move_assignment.cpp`? Provide a detailed explanation for your answer.

The main function calls `heavyPrinting()` which creates two `MyClass` objects, and outputs:

11

`heavyPrinting()` then assigns `object2` to `object1`, calling the copy operator and outputs:

4

`heavyPrinting()` then creates another `MyClass` objects and outputs:

1

`heavyPrinting()` then creates assigns `myFunction()` to `object3` and outputs:

1

`myFunction()` creates a `Myclass` object called `temp`, calling the `copyFrom` constructor and outputs:

4

The destructor gets called and outputs:

6

The `copyFrom` operator gets called and outputs:

5

The destructor gets called and outputs:

6

`heavyPrinting()` outputs:

7

The destructor gets called 3 times (3 destructed objects) and outputs:

666

Final output: 1141146567666