CPSC 1160: ASSIGNMENT 5[25 MARKS]

With the given MatrixDriver.cpp and the three matrix text files. Rewrite your assignment 4 so that it does not use vectors but instead uses dynamic arrays file so that the new MatrixDriver file will output the following. You must implement your matrix class using a 2d dynamic array. Your destructor must print DELETE, the copy constructor must print COPY and the overloaded assignment operator must print ASSIGNMENT. See the example on the next page. You can not hard code your answer. Note that your assignment, delete and copy statements may differ slightly based on implementation. You must includes the -fno-elide-constructors flag compiling your program.

You can not hard code your answer.

```
(M1)--------------------
|  13   4   2   1|
|   3  12   5   4|
|   4   8   6  11|

(M2)--------------------
|  13   4   2   1|
|   3  12   5   5|
|   4   8   6  11|

(M3)--------------------
|  13   4   2   1   3   2|
|   1   2  54   3   2   2|
|  11  32   2   6   5   4|
|   3   1   8   6  12  33|

(M1==M1)------------------
TRUE
(M1==M2)------------------
FALSE
COPY
DELETE
(M4)--------------
|  65  20  10   5|
|  15  60  25  20|
|  20  40  30  55|


COPY
DELETE
ASSIGNMENT
```

```
DELETE
(M5)-------------------
|  26   8   4   2|
|   6  24  10   9|
|   8  16  12  22|


(M5-M2)------------------
COPY
DELETE
|  13   4   2   1|
|   3  12   5   4|
|   4   8   6  11|

DELETE
((M5-M2)*M3)-----------------
COPY
DELETE
COPY
DELETE
| 198 125 254  43  69  75|
| 118 200 696  93 106 182|
| 159 235 540 130 190 411|

DELETE
DELETE
(M1*M3)------------------
COPY
DELETE
| 198 125 254  43  69  75|
| 118 200 696  93 106 182|
| 159 235 540 130 190 411|

DELETE
(M3*M1)------------------
DELETE
Empty
DELETE
DELETE
DELETE
DELETE
DELETE
DELETE
```

Submissions

Make sure that your code is neat and is well commented

Submit to D2L a zip/archive file containing all the files that are need to compile (matrixTest.cpp, matrix.h) and run your program(the three matrix files).

If you do not zip your file or if you submit the .exe files, you will receive ZERO for this lab (http://www.wikihow.com/Zip-Files-Together)