

CPSC 1160: Assignment 0[25 marks]

Write a program

1. Use the given sample code `matrix_mult.cpp` as a starting point (with has a function that will read in a matrix)
2. Ask the user for two matrices files
 - a. Use the prewritten function to read in and store the two matrices
3. Write a function what will be passed two matrices (which are stored as a vector or int vectors) and will multiply this two (check out this link for how to do that https://en.wikipedia.org/wiki/Matrix_multiplication) If the two matrices can not be multiplied print a message and exit the program(stop the program by using `exit(1)`)
4. Write a function that will print out a matrix
5. Use this function to print the out the resulting matrix

Sample for m1.txt and m2.txt

Matrix 1 m1.txt

```
2 1 2
3 2 1
```

Matrix 2 m2.txt

```
2 1
3 2
4 2
```

Result

```
15 8
16 9
```

Submissions

Make sure that your code is neat and is well commented [5 marks]

Check that all of your programs work the way they are intended to work by running them with different inputs

Submit to D2L a zip/archive file containing the .cpp you have written and all other files needed to run the program

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