Lecture 20 & 21: Classes – Part III

Class page:

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Exercise 1: Matrix Class

❑ **Write a matrix class that supports these methods:**

    ❑ 1 - get the number of rows

    ❑ 2 - get the number of columns

    ❑ 3 - set/get the element of the matrix at a given position (i, j)

    ❑ 4 - adding two matrices and return the result

    ❑ 5 - multiplying the two matrices and return the result

❑ **Copy constructor**

❑ **Move constructor**

Exercise 2: Matrix Class Template

❑ **Enable the matrix class to support arbitrary data types without hard-coded data type**

  ❑ int, float, double, short int, etc…