**Programming Assignment 9**

In PA 8, you have completed the matrix class on integer data type. In this assignment, you need to extend and rewrite it to support arbitrary arithmetic data types using template. Also, you need to add support for (1) *copy constructor and copy assignment* that copy a matrix object to another and (2) *move constructor and move assignment* that moves the content of a matrix to another. After move, a matrix should become empty.

template <typename T>

class Matrix {

// … methods, data members from PA8

// TODO: copy constructor

Matrix(const Matrix& other) {

}

// TODO: move constructor

Matrix(Matrix&& other) {

}

// TODO: copy assignment operator

Matrix& operator = (const Matrix& other) {

}

// TODO move assignment operator

Matrix& operator = (Matrix&& other) {

}

}