

# HW7

- ▶ Due: Next Wed. 23:59:59
- ▶ Filename: HW#\_StuID.zip
  - Ex) HW3\_Q123456.zip

# HW7

- ▶ Maximum sum sub-matrix in a matrix
  - Compute the maximum sum of numbers in a sub-matrix of a matrix
- ▶ Ex)

1	2	-1	-4	-20
-8	-3	4	2	1
3	8	10	1	3
-4	-1	1	7	-6

max sum is: 29

# HW7

## ► Requirements:

- First, let users to input the size of a matrix
  - $m \times n$
- Let users input numbers in the matrix or randomly generate numbers
- Output the **original matrix**. Compute and output the **maximum sum** of numbers in a sub-matrix and the **submatrix**.