Trial Assignment

- Purpose:
  - Prepare a skeleton program to deal with I/O correctly
  - Warm-up exercise to refresh coding

- 0/1 grade, you need to pass (get 1)
  (required for continuing the course)

- Due: Sunday, Aug 27th, 11:59pm

Trial Assignment

- Write a program that prints the **maximum** of two selected numbers from a line
  - First line of input contains the number of lines to follow
  - First number of each following line contains the number of **integers** (n>=4 and n<=1000,) that follow in the line
  - Those n integers (each integer >=0; <=1000) follow till the end of the line (separated by **space**). They can be stored (except the last two) in an array using index numbers 1…n-2 (but not necessary)
  - The last two integers x, y (x,y>=1 & x,y<=n-2) in the line is the index (starting from 1) of the integers from the line to add

Example: (colors/rectangle are just for visualization):

Input:

```
3
5  8  2  9  1  3
6  12  7  6  5  4  2
9  9  2  3  12  15  1  5  7  3
```

Output:

```
9
7
5
```

- You can assume **input will always be correct**
- No error handling needed
- Output will be printed after all input received

Input/output in Java

- Use Standard I/O to read input and write the result
- For Java, input: System.in, output: System.out
- To read numbers:
  - Use **a single** Scanner object

    ```
    Scanner sc = new Scanner(System.in);
    ```
  - Use `nextInt()` over and over to read integers

    ```
    number = sc.nextInt();
    ```
  - To print numbers:

    ```
    System.out.println(x);
    ```
- "Do Not"s
  - Do not read from a disk file/write to disk file
  - Do not write anything to screen except the result
    - Ex: Human centric messages ("the result is", "please enter..")
    - Automated grading via script will be used for checking correctness of your output

Trial Assignment

- Due: Sunday, Aug 27th, 11:59pm
- Submission through Canvas
  - Just submit the single Java source code file CMSC401_A0.java **(all upper case letters!)**
    - **No need to zip. Don't worry about "-1", "-2" added to your file by Canvas for new versions.**
    - The file should have *your name* in a comment in the first line
    - Remember: in Java, class name should match the file name, and is case sensitive

- Please do NOT create your own packages
- Do NOT place the file into a folder – just submit the java file.
- Use standard I/O to read input (System.in, System.out) and output
- Make sure the **program compiles and WORKS!**