Trial Assignment

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

- No Grade, but you need to pass (required for passing the course)
- Due: next Tuesday, Aug 27th, 11:59pm

Trial Assignment

- Write a program that prints the summation of two selected numbers from a line
  - First line of input contains the number of lines to follow
  - First number of each line, n>=4 and n<=1000, contains the number of integers that follow in the line
  - Those n integers (each integer >=0; <=1000) follow till the end of the line, and should be stored (except the last two) in an array using index numbers 1…n-2
  - 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 sum and print

Example: (colors are just for visualization):

Input:

```
3
5 13 2 5 1 3
6 5 3 6 7 4 2
9 7 12 2 14 5 7 9 6 3
```

Output:

```
18
10
9
```

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, one option is:
  - 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: next Tuesday, Aug 27th, 11:59pm

- Submission through Blackboard
  - Submit as a zip file with name "0_LastName_FirstName.zip" and include:
    - Java source code in a single file cmsc401.java **(all lower case letters!)**
    - 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 zip the file (when unzipped, there should be just the file)
- Use standard I/O to read input (System.in, System.out) and output
- Make sure **the program compiles**