Trial Assignment

- Write a program that prints the multiplication 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 multiply and print

    <u>Example:</u> (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:

```
65
21
14
```

VCU

School of Engineering | Computer Science

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

VCU
School of Engineering | Computer Science

Trial Assignment

- Due: next Thursday, Aug 30th, 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
- Use standard I/O to read input (System.in, System.out) and output
- Make sure the program compiles

VCU
School of Engineering | Computer Science