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CSC 282 Data Structures and Algorithms
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Laboratory 0: To demonstrate three methods of input in Java

Problem

What is the best way to input text from the command line?

Results

A program `IOtest.java` is attached. It and `IOtest.class` are found at
`q:\InstructorFiles\Chase_Gene\ds\Assignment 0\`

When I ran it, the following two dialogues began. First, a window opened and I typed in 23, as follows



then a console window continued the dialogue as follows. My inputs are entered in bold.

```
First number is 23

Enter a second integer

-11
Second number is -11
Enter third number
124
Third number is 124
Sum is 136
Hit any key to continue ...
Press any key to continue...
```

Limitations

I put a line in the program to generate "Hit any key to continue ..." but I am not sure where the line "Press any key to continue ..." is being generated. I did not have time to figure out how to eliminate that. My guess is that it is being generated by the `readln` method of the class `structure.ReadStream`. My plan is to delete my own prompt if I were to use `readln` as a dummy read to hold the console window from closing before I could capture the data.

I didn't take time to make the vertical spacing of the output lines consistent, since this was merely an experiment in selecting an input method, not in formatting output.

Discussion

I prefer standards and flexibility, so I will use a `BufferedReader` in the future.