1. What is the result of the following expressions?

- \(7 + 1.0\)
- \(7 \% 4\)
- \((\text{int}) 2.3\)
- \((\text{String}) 7\)
- \((\text{double}) \ "23"\)
- \((\text{double}) 4\)
- \("u"+2+"b"\)

2. What Java expression would you write to compute the following?

- The sum of 4 and 8.1
- 7 cubed
- The value of a double \(e\), converted to an int
- An expression that is true if integer \(j\) is divisible by 7, and false otherwise

3. Write a program called \textit{Swap} which reads in two integers from the keyboard, stores them in variables \(x\) and \(y\), and prints them out. It should then swap the two integers, so that \(x\) contains the value that used to be in \(y\) and vice versa. Finally, it should print them out again.

4. How would the program change if you had to swap two Strings instead?

5. Challenge: try swapping two integers \textit{without} creating any temporary variable. What error does this solution potentially introduce?