**1.38 Variables, input, and casting (Java)**

(1) Prompt the user to input an integer, a double, a character, and a string, storing each into separate variables. Then, output those four values on a single line separated by a space. (Submit for 2 points).

Enter integer: 99

Enter double: 3.77

Enter character: z

Enter string: Howdy

99 3.77 z Howdy

(2) Extend to also output in reverse. (Submit for 1 point, so 3 points total).

Enter integer: 99

Enter double: 3.77

Enter character: z

Enter string: Howdy

99 3.77 z Howdy

Howdy z 3.77 99

(3) Extend to cast the double to an integer, and output that integer. (Submit for 2 points, so 5 points total).

Enter integer: 99

Enter double: 3.77

Enter character: z

Enter string: Howdy

99 3.77 z Howdy

Howdy z 3.77 99

3.77 cast to an integer is 3