

# Practice Problems 4.6

## Loop Data Validation

Use what you know about java to fill in the blanks

Code  
Snippet

- |   |  |  |
|---|--|--|
| A | Scanner in = new Scanner(System.in);<br><br>System.out.print("Enter an integer");<br>int num;<br>while((1)) {<br>in.next();<br>}<br>num = (2)  | 1) <u>num &lt; 4</u><br>2) <u>4</u>  |
| B | Scanner (3) = new Scanner(System.in);<br><br>System.out.print("Enter an integer");<br>int num = 0;<br>while(scnr.hasNextInt()) {<br>num = (4)<br>}                                   | 3) <u>scnr</u><br>4) <u>5;</u>   |
| C | Scanner input = new Scanner(System.in);<br><br>(5)<br>do {<br>System.out.print("Enter a number between 5<br>through 10 (inclusively):");<br>num = input.nextInt();<br>} while ((6)); | 5) <u>int num = 0;</u><br>6) <u>(num &gt;= 5) &amp;&amp; (num &lt;= 10);</u> |

Match the code snippet from the previous questions with what the code does. For instance if you think the problem 8 describes the first code snippet (Code snippet A), then your answer would be A.

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|--|----------|
| 7) Continues to replace num with an int from user until another data type is entered | <u>B</u> |
| 8) Continues the prompt user for num until one is given in range.                    | <u>C</u> |
| 9) Continue to read user input until an int is entered                               | <u>A</u> |

Name	Will Marsh
PSU ID(abc1234)	wem5115
Class (Section)	IST 140.002

Write a code snippet that matches the description.

- 10) Finds the sum of ints is entered until something else is entered

```
int num = 0;
int sum = 0;

do {
    num = scnr.nextInt();
    sum += num; }
while (scnr.hasNextInt());
System.out.println(sum);
```