**Unit 3 Chapter 4 Worksheet: Algorithm Workbench Exercise 8**

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**Convert the do-while loop in the following code to a while loop:**

**Original code:**

Scanner keyboard = new Scanner(System.in);

String input;

char sure;

do

{

System.out.print(“Are you sure you want to quit? ”);

input = keyboard.next():

sure = input.charAt(0);

} while (sure != ‘Y’ && sure != ‘N’);

**Conversion to while loop:**

Scanner keyboard = new Scanner(System.in);

String input;

char sure = 0;

while (sure != ‘Y’ && sure != ‘N’)

{

System.out.print(“Are you sure you want to quit? ”);

input = keyboard.next():

sure = input.charAt(0);

}