1) Fill in the blank line in the code below so that the output is correct:

Scanner keyboard = new Scanner(System.in);
System.out.println(“Enter a word:”);
String word1 = keyboard.nextLine();
System.out.println(“Enter another word:”);
String word2 = keyboard.nextLine();

// Complete the following line:
if (___________________________________) {
    System.out.println(“Your two words are the same!”);
} else {
    System.out.println(“Your two words are different!”);
}

2) Write a piece of code that asks the user for a word. Print out the word reversed. That is, if the user enters the word “Hello”, the code would print out the word “olleH”. Continue writing your code on the back of the page if you need more room.