1. Write a program that gets a random integer between 5 and 15. Display the integer. If the number is divisible by 2, 5, or 3, print true (as a Boolean). Otherwise, print false.
2. Write a program to determine whether there are an even or odd number of vowels in a String. Use the following String: “The best way to learn computer science is by practicing”.
3. If a randomly generated number between 0 and 100 is divisible by both three and five, print “fizz-buzz”. If a number is divisible only by three, print “fizz”. If the number is divisible only by five, print “buzz”. Otherwise print “none”.
4. Write a program that prints your first and last name in a 3 x 3 table.
5. Write a program that takes two randomly generated integers between 0 and 12. If one of the numbers is greater than or equal to 8, print their difference. Otherwise, print their sum. Be sure to print out both numbers before doing this.