Institute of Business Administration

CSE 142 – Object Oriented Programming Techniques

50380 – Spring 2021

Day & Date: Tuesday, February 2, 2021

Task One

Write a boolean method called hasEight(), which takes an int as input and returns true if the number contains the digit 8 (e.g., 18, 808)

Task Two

Write a program called MagicSum, which prompts user for numbers, and produce the sum of numbers containing the digit 8. Your program should use the above methods. A sample output of the program is as follows:

Enter a positive integer or -1 to exit: 1
Enter a positive integer or -1 to exit: 2
Enter a positive integer or -1 to exit: 3
Enter a positive integer or -1 to exit: 8
Enter a positive integer or -1 to exit: 88
Enter a positive integer or -1 to exit: -1

The magic sum is: 96