JAVA Day – 1.1 ASSIGNMENT:

1. You are given a string with multiple characters that are repeated consecutively. You’re supposed to reduce the size of this string using mathematical logic given as in the example below :

Input: aabbbbeeeeffggg

Output: a2b4e4f2g3

1. Write the code to traverse a matrix in a spiral format.

Sample Input:

5 4 🡪 this is the dimension of the matrix

1 2 3 4

5 6 7 8

9 10 11 12

13 14 15 16

17 18 19 20

Sample Output: 1  2  3  4  8  12  16  20  19  18  17  13  9  5  6  7  11  15  12  14 10