## Question 1

String myStr is defined as follows: myStr = ‘192.168.0.1’

Please write the code to replace ‘.’ in myStr with ‘[.]’:

Question 2

String myStr, myStr2 is defined as follows:

myStr = ‘aAAbBbb’

myStr2 = ‘aAb’

Please write the code to calculate how many of the characters in myStr2 are also in myStr. (the answer is 6)

Question 3

There is a robot starting at position (0, 0), the origin, on a 2D plane. Given a sequence of its moves, judge if this robot ends up at (0, 0) after it completes its moves. The move sequence is represented by a string and valid moves are R (right), L (left), U (up), and D (down). If the robot returns to the origin after it finishes all of its moves, return true. Otherwise, return false.

Example 1: Input: "UD" Output: true

Example 2: Input: "LL" Output: false

Question 4

Please write to calculate the number of duplicate characters in given string, for example, myStr = “Today is good day”, the output should be:

o 3

d 3

a 2

y 2