CS3201: OBJECT ORIENTED PROGRAMMING LABORATORY

Topic: Arrays, Strings, Inline Functions, Function Overloading

Lab: 02 **Date: 08/03/2024**

EXECUTION QUESTIONS

1. Given a matrix, if an element in the matrix is 0 then set that element's entire column and row to 0. Print the new matrix.
2. Implement a function called "cipher()". If the function passes two arguments arg1 and arg2 of type int, find (arg1*arg1)%arg2 and print it. If any *one or both* of the arguments is of type double, divide the first argument by ½ the second argument and print the result. If only one argument of type string is passed to the function, displace all the characters of the string by 2. E.g. if the input is *grey*, the output printed when the cipher function is called should be *itga (g+2=i, r+2 =t, etc)*
3. **(Homework Exercise)** Create a program to calculate the roots of a *quadratic* equation using inline functions. Print these results.