**Assignment- 2**

# Write a java program to find the sum of natural numbers from 1 to 100 using:

# For loop

# While loop

# Do while loop

# Write a Java program to test if an array contains a specific value also print the index of that specific value. (Take array size 6 and values {11, 76, 90, 32, 28})

1. Write a Java program to sort a numeric array and a string array.

# Write a java program to find the duplicate values of an array of integer values.

# Write a java program that does the following:

# Declare a string object name “s”, containing the string “My Name is \_\_\_\_\_!!”.

# Print the entire string.

# Use charAt() method to print the 3rd character of your given name.

# Print the length of the string.

# Use substring() method to print your name (only).

# Write a java program to concatenate a given string to the end of another string.

# Write a java program to print the following pattern: 6 5 4 3 2 1 6 5 4 3 2 6 5 4 3 6 5 4 6 5 6

# Write a java program to print the following pattern:

# \* \* \* \* \* \*

# \* \* \* \*

# \* \* \* \* \*

# \* \* \* \*

# \* \* \*

# \* \*

# \*

# 

# Write a java program to display Fibonacci series up to a given term.

# Write a java program to print the following pattern: (a)

# (a + b)

# (a + b + c)

# (a + b + c + d)

# (a + b + c + d + e)

# (a + b + c + d + e + f)

# Write a java program to print sum of series (i.e. 0, 1, 4, 9, 16…).

# Write a java program to print sum of series (i.e. 1 + 1/1! + 2/2! + 3/3! + 4/4! +…..)

# Write a Java program to find the maximum and minimum value of an array.

1. Write a Java program to calculate the average value of array elements.

# Write a Java program to add two matrices of the same size.