**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Session: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Advanced Programming in Java**

**Lab Exercise 1.16.2024**

1. Write a Java program to check if a positive number is a palindrome or not.

Expected Output:  
Input a positive integer: 151  
Is 151 is a palindrome number?  
true

1. Write a Java program that searches for a value in an m x n matrix.
2. Write a Java program to check if a given string has all unique characters.    
   Sample Output: Original String : xyyz  
   String has all unique characters: false
3. Write a Java program to find the numbers greater than the average of the numbers of a given array.

Expected Output:  
Original Array:  
[1, 4, 17, 7, 25, 3, 100]  
The average of the said array is: 22.0  
The numbers in the said array that are greater than the average are:  
25  
100