**Name:**

**Advanced Programming in Java**

**Lab Exercise 11.3.2023**

1. A tic-tac-toe board can be thought of as a 2D array containing Xs and Os. Write a method that will check to see if the Xs or the Os have won. Your method should return a String that X won or O won. Write a program to test your method.
2. Write a method that rotates a one dimensional array a given number of positions d:

public static void rotate(int[] myArray, int d)

A positive d rotates the array forward; a negative d backward. For example, if arr holds elements 1, 4, 9, 16, 25, 36, after rotate(myArray, -2) the values in myArray are 9, 16, 25, 36, 1, 4.

1. Write a program that contains a method

public static String repeat(String str, int n)

that returns the string repeated n times. For example, repeat(“ho”, 3) returns “hohoho”.