Exercise 4

1) Floating point

Write a Java program that start with declaring (or reading if you are familiar with scanner) a floating-point number and prints "zero" if the number is zero. Otherwise, print "positive" or "negative". Add "small" if the absolute value of the number is less than 1, or "large" if it exceeds 1,000,000.

2) Methods

a) Write a methods that gets as an input a binary number, converts it to a floating point and returns the value.

b) Write a method called print that gets as an input a variable of the type int, string or double and prints it (instead of using System.out.println()). Use method overloading to achieve the task.

3) Arrays

Given an array of ints, return true if 6 appears as either the first or last element in the array. The array will be length 1 or more.

firstLast6([1, 2, 6]) → true
firstLast6([6, 1, 2, 3]) → true
firstLast6([13, 6, 1, 2, 3]) → false