

Lab 5 – Exercise 2

Calculate Statistics

GIVENS: *(none)*

REUSULT: *(none)*

INTERMEDIATES: arrValues *(reference to array of real values)*

n *(number of elements in the array)*

statsArray *(reference to an array of statistics)*

HEADER : Main()

BODY:

(Get the data from the user)

printLine("Please enter a several real values on the same line.")

(arrValues, n) $\leftarrow$ readRealLine()

(Call to algorithm to compute the statistics)

statsArray $\leftarrow$ statistics(arrValues, n)

(Display the results)

printLine("The average is ", statsArray[0])

printLine ("The maximum is ", statsArray[1])

printLine ("The minimum is ", statsArray[2])

GIVENS: arr *(reference to an array of real values)*
 n *(number of elements in the array)*
 RESULT: stats *(reference to an array of statistics :
 average (at 0), maximum (at 1), minimum (at 2))*
 INTERMEDIATE: index *(index used to traverse the array)*
 HEADER: stats $\leftarrow$ statistics(arr, n)
 BODY:

