Lab08 – Arrays and methods

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# Exercise 1

## Program Arrays.java

**File name:** Arrays.java

**Purpose:** To allow the user to enter 5 double values and display the average of those values.

**Packages:** java.util.Scanner

**Input:** 5 double values, which are then stored in an array (*myArray*).

**Output:** A double value representing the average of the 5 input values.

**Pseudocode:**

Algorithm Arrays

START

(**main**)

Set double[ 5 ] *myArray*

Print “Enter 5 double values”

For *i* from 0 to 4 {

Read *myArray*[ *i* ]

}

Print “Average = ” + **average**(*myArray*)

(**average**, parameter(s): integer[ ] *array*)

Set integer *sum* = 0

For *element* in *array* {

*sum* += *element*

}

Return *sum* / *array*.length

(**average**, parameter(s): double[ ] *array*)

Set double *sum* = 0

For *element* in *array* {

*sum* += *element*

}

Return *sum* / *array*.length

END Arrays

**Test run(s):**