**Learning the java language**  
**Workshop 2**

**In this workshop, you’ll learn:**

* How to use primitive Java types, operators on those types, and expressions formed with those types
* The anatomy of a simple Java program
* How to use loop and other flow control structures
* How to use array

**1. Write a Java program that performs the following methods on an array of integers:**

public class Mang {

private int[] m = new int[100];

private int n;

}

a- Input data (number of elements, the elements of the arrays)

c- Display all elements

d- Computes the average of odd array elements

e- Find the last maximum element

f- Finds the last array element having specified value

g- Sort all elements in ascending order

h- Delete an element at a specified index

i- Inserts the specified value into the array at the inputed index

**Additional proposed exercises:**

j- Counts the integers that divided by 3 and 7 with no remainder

k- Computes the following sum, with m0, m1, m2… are the array elements

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l- Computes the sum of square roots of the array prime elements

**2. Create a code snippet that will print the even numbers from 2 to 10 to the command window using**

a- a for loop

b- a while loop

**3. Create a code snippet that ranks a student based on his average grade:**

*Average grade Ranking*

< 5 bad

5 - < 7 average

7 - < 8 good

8 - < 9 very good

>= 9 excellent

**4. Create a code snippet that prints out ways to get specified money from $1, $2, and $5 currencies.**

**5. Create a code snippet that computes the following sum while term is greater than or equal specified precision (Compute ex with specified precision)**

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