

## Hands-on Assignments for Arrays

Complete the below hands-on assignments before proceeding with the next Topic

No.	Hands-on Assignment	Topics Covered	Status
1	Write a program to initialize an integer array and print the sum and average of the array.	One dimensional Array	<input type="checkbox"/>
2	Write a program to initialize an integer array and find the maximum and minimum value of the array.	One dimensional Array	<input type="checkbox"/>
3	<p>Write a program to initialize an integer array with values and check if a given number is present in the array or not.</p> <p>If the number is not found, it will print -1 else it will print the index value of the given number in the array.</p> <p>Example 1) If the Array elements are {1,4,34,56,7} and the search element is 90, then the output expected is -1.</p> <p>Example 2) If the Array elements are {1,4,34,56,7} and the search element is 56, then the output expected is 3.</p>	One dimensional Array	<input type="checkbox"/>
4	Initialize an integer array with ascii values and print the corresponding character values in a single row.	One dimensional Array	<input type="checkbox"/>
5	Write a program to find the largest 2 numbers and the smallest 2 numbers in the given array.	One dimensional Array	<input type="checkbox"/>
6	Write a program to initialize an array and print them in a sorted order.	One dimensional Array	<input type="checkbox"/>
7	<p>Write a program to remove the duplicate elements in an array and print the same.</p> <p>Example)</p> <p>I/P: {12,34,12,45,67,89}</p> <p>O/P: {12,34,45,67,89}</p>	One dimensional Array	<input type="checkbox"/>
8	<p>Write a program to print the sum of the elements of an array following the given below condition.</p> <p>If the array has 6 and 7 in succeeding orders, ignore the numbers between 6 and 7 and consider the other numbers for calculation of sum.</p> <p>Eg1) Array Elements - 10,3,6,1,2,7,9</p> <p>O/P: 22</p>	One dimensional Array	<input type="checkbox"/>

	<p>[i.e 10+3+9]</p> <p>Eg2) Array Elements - 7,1,2,3,6 O/P:19</p> <p>Eg3) Array Elements - 1,6,4,7,9 O/P:10</p>		
9	<p>Write a program to reverse the elements of a given 2*2 array. Four integer numbers needs to be passed as Command Line arguments.</p> <p>Example1) C:\&gt;java Sample 1 2 3 O/P: Please enter 4 integer numbers</p> <p>Example2) C:\&gt;java Sample 1 2 3 4 O/P: The given array is : 1 2 3 4 The reverse of the array is : 4 3 2 1</p>	Two Dimensional Array	<input type="checkbox"/>
10	<p>Write a program to find the biggest number in a 3*3 array. The program is supposed to receive 9 integer numbers as command line arguments.</p> <p>Example1: C:\&gt;java Sample 1 2 3 O/P: Please enter 9 integer numbers</p> <p>Example2: C:\&gt;java Sample 1 23 45 55 121 222 56 77 89 O/P: The given array is : 1 23 45 55 121 222 56 77 89 The biggest number in the given array is 222</p>	Two Dimensional Array	<input type="checkbox"/>