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| **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 |  |
| 2 | Write a program to initialize an integer array and find the maximum and minimum value of an array | One dimensional Array |  |
| 3 | Write a program to initialize an integer array with values and check if a given number is present in the array or not. If the number is not found, it will print -1 else it will print the index value of the given number in the array  Ex1) Array elements are {1,4,34,56,7} and the search element is 90  O/P: -1  Ex2)Array elements are {1,4,34,56,7} and the search element is 56  O/P: 4 | One dimensional Array |  |
| 4 | Initialize an integer array with ascii values and print the corresponding character values in a single row. | One dimensional Array |  |
| 5 | Write a program to find the largest 2 numbers and the smallest 2 numbers in the given array | One dimensional Array |  |
| 6 | Write a program to initialize an array and print them in a sorted fashion | One dimensional Array |  |
| 7 | Write a program to remove the duplicate elements in an array and print  Eg) Array Elements--12,34,12,45,67,89  O/P: 12,34,45,67,89 | One dimensional Array |  |
| 8 | Write a program to print the element of an array that has occurred the highest number of times  Eg) Array -> 10,20,10,30,40,100,99  O/P:10 | One dimensional Array |  |
| 9 | Write a program to print the sum of the elements of the array with the given below condition. If the array has 6 and 7 in succeeding orders, ignore 6 and 7 and the numbers between them for the calculation of sum.  Eg1) Array Elements - 10,3,6,1,2,7,9  O/P: 22  [i.e 10+3+9]  Eg2) Array Elements - 7,1,2,3,6  O/P:19  Eg3) Array Elements - 1,6,4,7,9  O/P:10 | One dimensional Array |  |
| 10 | Write a program to reverse the elements of a given 2\*2 array. Four integer numbers needs to be passed as Command Line arguments.  Example1:  C:\>java Sample 1 2 3  O/P Expected : Please enter 4 integer numbers  Example2:  C:\>java Sample 1 2 3 4  O/P Expected :    The given array is :  1 2  3 4  The reverse of the array is :  4 3  2 1  1 2 3 4  5 6 7 8  9 10 11 12 | Two Dimensional Array |  |
| 11 | Write a program to find greatest number in a 3\*3 array. The program is supposed to receive 9 integer numbers as command line arguments.  Example1:  C:\>java Sample 1 2 3  O/P Expected : Please enter 9 integer numbers  Example2:  C:\>java Sample 1 23 45 55 121 222 56 77 89  O/P Expected :  The given array is :  1 23 45  55 121 222  56 77 89  The biggest number in the given array is 222 | Two Dimensional Array |  |