

1D arrays

Assignment Solutions

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1. WAP to print the sum of all the elements present on even indexes in the given array.

[ASS_CODE1.java](#)

Output:

Approach:

- We have traversed the array using a while loop and kept a sum variable that will be incremented by the value of elements of the array.
- At last, upon complete traversal of the array we will print the sum.
- Here the only twist is that since we are concerned about the even indices we will start the iterator from 0 and will increment it by 2 every time.

2. WAP to traverse over the elements of the array {1,2,3,4,5,6,7,8} using for each loop and print all even elements.

[ASS_CODE2.java](#)

Output:

Approach :

- We will traverse the array and will keep a check that if any ith element is even we will print it else will move on to the next index.

3. WAP to calculate the maximum element in the array {10, 7, -5, 8, 9, 0, -4} using standard library methods for calculating the maximum element.

[ASS_CODE3.java](#)

Output:

Approach :

- We will traverse the array, and will keep a max variable that will be updated with the current element of the array if the array element is greater than the value of max variable.
- Initially the max variable is given the minimum integer value.

4. WAP to find out the second largest element in the input array {34,21,54,65,43}.

[ASS_CODE4.java](#)

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Output:

Approach :

- We will traverse the array, and will keep a max variable that will be updated with the current element of the array if the array element is greater than the value of max variable.
- Initially the max variable is given the minimum integer value.