**ARRAY**

1.find out total number of elements in array? A1

2.read first 3 elements from a given array?

(assume total 10 elements are available) A2

3.read last 3 elements from a given array?

(assume total 10 elements are available) A3

4.read middle 2 elements from a given array?

(assume total 10 elements are available) A4

(total elements are even middle elements are two)

5.read all the elements from a given array?

(assume total 10 elements are available) A5

6.read all the elements from a given array except first and last?

(assume total 10 elements are available) A6

7.read first half of the elements from a given array?

(assume total 10 elements are available) A7

8.read second(last) half of the elements from a given array?

(assume total 10 elements are available) A8

9.read all the elements from a given array in reverse order?

(assume total 10 elements are available) A9

10.read all the elements from a given array in reverse order except first and last?

(assume total 10 elements are available) A10

11.read first half of the elements from a given array in reverse order?

(assume total 10 elements are available) A11

12.read second half of the elements from a given array in reverse order?

(assume total 10 elements are available) A12

13.read alternative elements from a given array?

(assume total 10 elements are available) A13

14.read alternative elements from a given array in reverse order?

(assume total 10 elements are available) A14

15.repeat all the above programs by considering total number of element are 11. (B1-B14)

16.find out sum of all the elements in the given int array?

(assume total 10 elements are available) A16

17.find out average of all the elements in the given int array?

(assume total 10 elements are available) A17

18.find out sum of the first half of the elements in the given int array?

(assume total 10 elements are available) A18

19.find out average of the first half of the elements in the given int array?

(assume total 10 elements are available) A19

20.find out sum of the second half of the elements in the given int array?

(assume total 10 elements are available) A20

21.find out average of the second half of the elements in the given int array?

(assume total 10 elements are available) A21

22.find out min value from a given int array?

(assume total 10 elements are available) A22

23.find out max value from a given int array?

(assume total 10 elements are available) A23

24.find out min value of first half from a given int array?

(assume total 10 elements are available) A24

25.find out max value of first half from a given int array?

(assume total 10 elements are available) A25

26.find out min value of second half from a given int array?

(assume total 10 elements are available) A26

27.find out max value of second half from a given int array?

(assume total 10 elements are available) A27

28.find out min value from all even elements from a given int array? A28

29.find out max value from all even elements from a given int array? A29

30.find out min value from all odd elements from a given int array? A30

31.find out max value from all odd elements from a given int array? A31

32.find out 2nd max value from a given int array? A32

33.find out 2nd min value from a given int array? A33

34.find out 3rd max value from a given int array? A34

35.find out 3rd min value from a given int array? A35

36.find out the continues elements which are in the ascending/descending order? A36

37.print the elements which are next to even elements? A37

38.print the elements which are previous to even elements? A38

39.print the elements which are in the middle of two even elements? A39

40.print the odd elements which are in the middle of two even elements? A40

41.print the even elements which are in the middle of two odd elements? A41

42.print two consecutive even elements? A42

43.print two consecutive odd elements? A43

44.print 3 elements which are first 2’s sum is 3rd one? A44

45.find out all the two elements whose sum is zero? A45

46.find out all the three elements whose sum is zero? A46

47.find out nearest number for every number? A47

48.Increament every value to 5 unites. A48

49. Decrement every value to 10 unites. A49

50.Increament first half value with 5 unites and Decrement 2nd half values with 10 unites. A50

51.Multiply every even values with 20 and add 20 unites to every odd values.A51

52. swap first element with last element.A52

Example: initial {10,5,13,16,4,7,20,18}

final{18,5,13,16,4,7,20,10}

53. swap every element with its next element.A53

(assume total number of element is even)

Example: initial {10,5,13,16,4,7,20,18}

final {5,10,16,13,7,4,18,20}

54.reverse array element. A54

example: initial {10,5,13,16,4,7,20,18}

final {18,20,7,4,16,13,5,10}

55.reverse array element with the index numbers. A55

Example: initial {10,5,13,16,4,7,20,18}

Final {0,1,2,3,4,5,6,7}

56.replace array elements with the twice of index number. A56

Example: initial {10,5,13,16,4,7,20,18}

Final {0,2,4,6,8,10,12,14}

57.left shift by one. A57

Example: initial { 10,5,13,16,4,7,20,18}

Final {5,13,16,4,7,20,18,18}

58.left shift by two. A58

Example: initial {10,5,13,16,4,7,20,18}

Final {13,16,4,7,20,18, 20,18}

59.left rotate by one. A59

Example: initial {10,5,13,16,4,7,20,18}

Final {5,13,16,4,7,20,18,10 }

60.left rotate by two. A60

Example: initial {10,5,13,16,4,7,20,18}

Final {13,16,4,7,20,18,10, 5}

61.right shift by one. A61

Example: initial { 10,5,13,16,4,7,20,18}

Final {10,10,5,13,16,4,7,20,18}

62.right shift by two. A62

Example: initial { 10,5,13,16,4,7,20,18}

Final {10,10,5,13,16,4,7,20,18}

63.right rotate by one. A63

Example: initial {10,5,13,16,4,7,20,18}

Final {18,10,5,13,16,4,7,20}

64.right rotate by two. A64

Example: initial {10,5,13,16,4,7,20,18}

Final {20,18,10,5,13,16,4,7}

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