

Assignment 3

For all the programs array size and type can be assumed to be 10 and int by default. Use #define macro for size.

1. Reverse elements of array without using additional array.
Eg input array – {85,70,22,55,30}
should change to {30,55,22,70,85}
2. C program to find nearest lesser and greater element in an array.
3. Display elements of array in triangle pattern. Use formatting to get a uniform display.
Eg:

A = {20,500,60,100,40}

Output:

```
20 500 60 100 40
20 500 60 100
20 500 60
20 500
20
```

4. Write a program that calculates the sum of even elements of an integer array of size 20