

Assignment 3

1. Write a program to print hollow right triangle star pattern series using loop.

Example:

Input rows: 6

output

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* *
*  *
*   *
*****
```

2. Write a program to print inverted right triangle star pattern series using loop.

Example:

Input rows: 6

output

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*****
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***
**
*
```

3. Write a program to input elements in an array from the user and count even and odd elements in the array.

Example:

Input array: 1 2 3 4 5 6 7 8 9

Total even elements: 4

Total odd elements: 5

4. Write a program to input elements in an array and search whether an element exists in the array or not.

Input elements in array: 10, 12, 20, 25, 13, 10, 9, 40, 60, 5

Element : 25

output

Element found at index 3

5. Write a program to input elements in an array and copy all elements of the first array into the second array.

Input array1 elements: 10 1 95 30 45 12 60 89 40 -4

output

Array1: 10 1 95 30 45 12 60 89 40 -4

Array2: 10 1 95 30 45 12 60 89 40 -4

6. Write a program to input elements in array and print all unique elements in array.

Input array elements: 1, 2, 3, 5, 1, 5, 20, 2, 12, 10

Output

All unique elements in the array are: 3, 20, 12, 10

7. Write a program to input elements in two arrays and merge two arrays to the third array.

Input first array elements: 1, 4, 6, 9, 15

Input second array elements: 2, 5, 8, 10

Output

Merged array in ascending order = 1, 2, 4, 5, 6, 8, 9, 10, 15

Bounce

1. Write a program to print an equilateral triangle or Pyramid star pattern series of n rows using a loop.

Input rows: 5

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 ***
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*****
*****
```

2. Write a C program to print a rhombus star pattern of N rows using a loop.

Enter number of rows: 6

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 *****
 *****
 *****
 *****
```