1. **Program to print duplicate elements of the given int array.**

**Output:**

1. Duplicate elements in given array are:
2. 4
3. 6
4. 10

## 2. Program to print duplicate elements of the String array

Output

Duplicate elements in the given array:

Steve

Rick

**3. Program to copy all elements of one array into another array.**

For example:

array1 is {3, 5, 7, 9}

array2[] is {}

Then after copying all the elements of array1[] to array2[]

the elements in array2[] will be = {3, 5, 7, 9}

## Steps to copy all elements from one array to another array

1. Initialize the first array.
2. Create another array with the same size as of the first array
3. Run a loop from 0 till the length of first array
   * Read the element of first array
   * Copy the element to the second array
4. Repeat the step 3 until the complete array is traversed
5. Run a loop from 0 to the length of any array
   * Read and print the elements of second array
6. Repeat the step 5 until the second array is completely traversed.
7. End of Program.

**4. Program to print the elements of an array present on odd position**

For example, if an array is {2, 12, 23, 7, 6, 15} then we need to display the elements 2, 23 and 6 as they are present in the array on **odd positions**.

## Steps to find even position elements of an Array

1. Initialize the array.
2. Run a loop starting from 0 till the length of the given array. Use +2 in the increment part of the loop, to only traverse the odd positions in the array.
   * Print the current element of the array

End of the program

## Display array elements on even positions

Array Elements on odd Positions:

1

5

9

13

# Program to print the elements of an array present on even position

For example, if an array is {1, 4, 8, 3, 9, 17} then we need to display the elements 4, 3 and 17 as they are present in the array on even positions.

## Steps to find even position elements of an Array

1. Initialize the array.
2. Run a loop starting from 1 till the length of the given array. Use +2 in the increment part of the loop, to only traverse the even positions in the array.
3. Display current array element

End of the program

## Display array elements on even positions

Array Elements on even Positions:

12

3

7

100