1. Sum it up:

Given an array of integers (for example, a = {3,-4,0,5,1,7,8,9,10,11}) and an integer k (for example k = 10), create a method that returns the number of ways any two elements in the array a can add to the value k. For above example: 3 (3+7, 0+10, 1+9)

```
public class HelloWorld {

    public static void main( String[] args ) {

      int a[] = {3,-4,0,5,1,7,8,9,10,11};

      int k = 10;

         int answer = numberOfSum(a, k);

      System.out.println(answer);

    }

public static int numberOfSum(int a[], int k) {

// your code goes here

}

}
```

2. Write a Java program to remove duplicate elements from an array.

3. Write a Java program that takes an array of integers and moves all 0's to the end of the array. Maintain the relative order of the other (non-zero) array elements.

4. Write a Java program to get the difference between the largest and smallest values in an array of integers. The length of the array must be 1 and above.