1) Write a function named "remove duplicates" that takes an array of integers in random

order and eliminates all the duplicate integers in the array. The function should take two arguments:

(1) An array of integers

(2) An integer that tells the number of cells An array

'a': The integer array of numbers

'n': The number of integers An the array

RETURNS:

The function should not return a value, but if any duplicate integers are eliminated, then array is restructured such that the unique value precedes repeated values.

EXAMPLE:If input is

int a[11]=(58,26,91,26,70,70,91,58,58,58,66)

Revised array:

A [11] 58 26 91 70 66 70 91 58 58 58 66)

```
package mypack;

public class seventhtest
{
	public static void remove_duplicates(int []a , int n)
	{
		int index = 0;
		int duplicate[] = new int[n];
		int duplicate_index = 0;
		for(int i=0;i<=n;i++)
		{
			boolean is_duplicate = false;
```

```
                for(int j=0;j<index;j++)
                {
                        if(a[i] == a[j])
                        {
                                is_duplicate = true;
                                break;
                        }
                        if(!is_duplicate)
                        {
                                a[index] = a[i];
                                index++;
                        }
                        else
                        {
                                duplicate[duplicate_index++] = a[i];
                        }
                }

        }
        for(int i=0;i<index;i++)
        {
                a[i] = duplicate[i];
        }


}

public static void main(String[] args)
```

```
	{
		int arr[] = {58,26,91,26,70,70,91,58,58,58,66};
		int num = arr.length;
		remove_duplicates(arr,num);
		for(int i:arr)
		{
			System.out.println(i);
		}


	}

}
```