

Aim:

Write java program that inputs 5 numbers, each between 10 and 100 inclusive. As each number is read display it only if it's not a duplicate of any number already read. Display the complete set of unique values input after the user enters new values

Source Code:**Duplicate.java**

```
import java.util.Scanner;
public class Duplicate {
    public static boolean isDuplicate(int ele,int arr[]) {
        for(int i=0;i<5;i++) {
            if(ele == arr[i]) {
                return true;
            }
        }
        return false;
    }
    public static void main(String[] args) {
        Scanner inp = new Scanner(System.in);
        int num[]=new int[5];
        System.out.println("Enter 5 unique values between 10 & 100 ");
        int c=0;
        while(c<5) {
            int element = inp.nextInt();
            if(element>10 && element<100){
                if(isDuplicate(element,num)==true){
                    System.out.println("Duplicate value found, retry");
                }
                else {
                    num[c]=element;
                    c++;
                }
            } else {
                System.out.println("Entered value must be in between 10 & 100");
            }
        }

        System.out.print("The five unique values are :");
        for(int i=0;i<5;i++) {
            System.out.print(num[i]+" ");
        }
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter 5 unique values between 10 & 100 25
15

30
0
Entered value must be in between 10 & 100 34
89
The five unique values are :25 15 30 34 89

Test Case - 2
User Output
Enter 5 unique values between 10 & 100 48
92
34
92
Duplicate value found, retry 39
23
The five unique values are :48 92 34 39 23