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Question No. | 2 of 8 | 25 Marks

JAVA (1.8) ▼

For JAVA, the class name needs to be Main

Compile &amp; Run O/P »

## Palindrome Number

Anisha is a mathematics teacher teaching numbers to students. She wrote some numbers on the board. She is picking up student randomly from the class and asking them to identify the numbers which are palindrome . Create a JAVA program that can help the student to identify the palindrome numbers from the given array of size n.

**Explanation:** The first line will accept the size of array

Followed by entering the values in the array

At last, display all the palindrome numbers

### Sample Input:

5  
11  
12  
13  
151  
7

### Sample Output:

11  
151  
7

```

5  /**
6  import java.io.*;
7  import java.util.*;
8  class Main {
9      public static boolean isPalindrome(int num){
10
11          //count digits of num
12          int n = num;
13          int digCount = 0;
14          while(n != 0){
15              digCount++;
16              n /= 10;
17          }
18
19          // store each digit of num into arr
20          int digArr[] = new int[digCount];
21
22          n=num;
23          int index = 0;
24          while(n != 0){
25              int lastDig = n % 10;
26              digArr[index++] = lastDig ;
27              n /= 10;
28          }
29
30          // check if palindrome or not
31          int i=0, j=digCount-1;
32          while(i <= j){
33              if(digArr[i] != digArr[j])
34                  return false;
35              i++;
36              j--;
37          }
38
39          return true;
40      }
41
42
43      public static void main(String[] args) throw
44
45          Scanner scn = new Scanner(System.in);
46          int noOfTestCase = scn.nextInt();
47
48          while(noOfTestCase != 0){
49
50              int num = scn.nextInt();
51

```



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