```java
package arrays;

import java.util.Scanner;

public class indexnum {

    public static void main(String[]args) {
        //int []num=new int[8];
        Scanner sc=new Scanner(System.in);
        System.out.println("enter the num:");
        int []nums={1,2,3,4,5,6,7,8};
        int n=sc.nextInt();
        int index=0;
        for(int i=0;i<nums.length;i++) {
            if(nums[i]==n) {
            index=i;
            }
        }
        System.out.println("index:"+index);

    }

}
```

output :
enter the num:
5
index:4