```java
package arrays;

import java.util.Scanner;

public class sum_of_index_pairs {

    public static void main(String[] args){
        int[]a= {2,3,4,1,5,7,6};
        Scanner s=new Scanner(System.in);
        System.out.println("enter the value:");
        int n=s.nextInt();
        System.out.println("index of that value :");
        for(int i=0;i<a.length;i++) {
            for(int j=i+1;j<a.length;j++) {
                if(a[i]+a[j]==n) {
                    System.out.println("("+i+","+j+")");
                }
            }
        }
    }
}
```

Output:

```
enter the value:
8
index of that value :
(0,6)
(1,4)
(3,5)
```