

알골

중급유형01-소수

```
3 import java.util.Scanner;
4
5 public class algo2_1 {
6     /* public static void main(String[] args) {
7         int a;
8         Scanner sc=new Scanner(System.in);
9         a=sc.nextInt();
10        int j;
11        for(j=2;(a%j)!=0;j++) {
12        }
13        if(a==j) System.out.println("소수");
14        else System.out.println("소수아님");
15    }*/
16    public static void main(String[] args) {
17        int a;
18        Scanner sc=new Scanner(System.in);
19        a=sc.nextInt();
20        int j=2;
21        while((a%j)!=0) {
22            j++;
23        }
24        if(a==j) System.out.println("소수");
25        else System.out.println("소수아님");
26    }
27 }
28
```

중급유형 02-약수

유형1

```
1 package a20_7_7;
2
3 import java.util.Scanner;
4
5 public class algo2_2 {
6
7     public static void main(String[] args) {
8         Scanner sc=new Scanner(System.in);
9
10        int a[]=new int[100];
11        int b=sc.nextInt(); //6입력할 경우
12        int c=0;
13        int d=0;
14        for(c=0;c<=b;c++) {
15            if(b%c==0) {
16                a[d]=c;
17                d++;
18            }
19        }
20
21        for(int i=0;i<d;i++) {
22            System.out.println(a[i]);
23        }
24    }
25 }
26
```