

**Program-1**

Implement a java program that reads a line of integers, and then displays each integer, and the sum of all the integers.

```
import java.util.*;
```

```
class StringTokenizerDemo {
```

```
    public static void main (String args []) {
```

```
        int n;
```

```
        int sum = 0;
```

```
        Scanner sc = new Scanner (System.in);
```

```
        System.out.println ("Enter integers with one space  
                             gap:");
```

```
        String s = sc.nextLine();
```

```
        StringTokenizer st = new StringTokenizer (s, " ");
```

```
        while (st.hasMoreTokens()) {
```

```
            String temp = st.nextToken();
```

```
            n = Integer.parseInt (temp);
```

```
            System.out.println (n);
```

```
            sum = sum + n;
```

```
        }
```

```
        System.out.println ("sum of the integers is: " +  
                             sum);
```

```
        sc.close();
```

```
    }
```

```
}
```

### output

Enter integers with one space gap:

5 6 2 1 9

5

6

2

1

9

Sum of the integers is : 23

```
Windows PowerShell
PS E:\GITAM\4th sem\JAVA LAB> java program1
Enter integers with one space gap:
5 8 2 6 1 8
5
8
2
6
1
8
sum of the integers is: 30
PS E:\GITAM\4th sem\JAVA LAB>
```