8/3/22

12

EXPERIMENT No: 5
String Tokenizer

Aim

Write a java program that reads a line of integers and then displays each integer and the sum of all integers (using String Tokeniser class of ~~utav~~ java.util)

Input

A line of integers seperated by comma.

Output Expected

Display each integer and sum of all integers

Psaocessing

String Tokenizer function divides the line of integers into small tockens taking comma as the delimiter

Algorithm

Start

1. Import java util. Scanner
2. Set sum ← 0
3. Initalise object sc of Scanner
4. s = sc. nextLine // read no:s seperated by ','

5. Initalise string tokenizer object str on s
6. while (str.hasMoreTokens())
    6.1 num = Integer.parseInt
    6.2 Print num
    6.3 Sum = Sum + num
7 End while
8 Print sum
Stop

Result

Output is obtained.

Output

```
Enter a line of integers seperated by comma.
10, 20, 30, 45, 50

Entered integers are
10
20
30
45
50
Sum of Integers : 155
```

```
//327
//Dovika B
//Section C : Qn 1
//String Tokenizer

import java.util.*;

class tokenizer {
    public static void main(String args[]) {
        int n;
        int sum = 0;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter integers with comma to seperate them
:");
        String s = sc.nextLine();
        StringTokenizer st = new StringTokenizer(s, ",");
        System.out.println("\nEntered integers are : ");
        while (st.hasMoreTokens()) {
            String temp = st.nextToken();
            n = Integer.parseInt(temp);
            System.out.println(n);
            sum = sum + n;
        }
        System.out.println("\nSum of the integers is: " + sum);
        sc.close();
    }
}
```