```
1:  .data
2:  message1: .asciiz "Insert 10 integer positive numbers\n"
3:  message2: .asciiz "The sum of all numbers is: "
4:
5:  .text
6:  # Print message to user
7:  li $v0, 4
8:  la $a0, message1
9:  syscall
10:
11:     # Initialize registers
12:     move $t0, $zero      # Counter
13:     move $s0, $zero      # Sum
14:
15:     # Instructions loop
16:     while:
17:         # Check loop stop condition
18:         bge $t0, 10, end_while
19:
20:         # Receive number
21:         li $v0, 5
22:         syscall
23:         move $t1, $v0
24:
25:         # Update registers
26:         add $s0, $s0, $t1
27:         addi $t0, $t0, 1
28:
29:         # Restart loop
30:         j while
31:     end_while:
32:
33:     # Print results
34:     li $v0, 4
35:     la $a0, message2
36:     syscall
37:     li $v0, 1
38:     move $a0, $s0
39:     syscall
```