```
1: .data
2: message: .asciiz "Insert four integers\n"
3:
4: .text
5: # Print message to user
6: li $v0, 4
7: la $a0, message
8: syscall
9:
10:     # Receive numbers
11:     li $v0, 5
12:     syscall
13:     move $a0, $v0
14:     li $v0, 5
15:     syscall
16:     move $a1, $v0
17:     li $v0, 5
18:     syscall
19:     move $a2, $v0
20:     li $v0, 5
21:     syscall
22:     move $a3, $v0
23:
24:     # Run function
25:     jal get_greater
26:
27:     # Print result
28:     move $a0, $v0
29:     li $v0, 1
30:     syscall
31:
32:     # End program
33:     li $v0, 10
34:     syscall
35:
36:     # Function instructions
37:     get_greater:
38:         move $t0, $a0
39:         bge $t0, $a1, if_a1_less
40:             move $t0, $a1
41:         if_a1_less:
42:         bge $t0, $a2, if_a2_less
43:             move $t0, $a2
44:         if_a2_less:
45:         bge $t0, $a3, if_a3_less
46:             move $t0, $a3
47:         if_a3_less:
48:
49:         move $v0, $t0
50:         jr $ra
51:
52:
53:
54:
```