1. Declare
   1. String “Please enter an integer”
   2. String “Please enter another integer”
   3. String “The average of your numbers”
   4. Integer userInt1
   5. Integer userInt2
   6. Integer userInt3
   7. Integer userInt4
   8. Integer userInt5
   9. Integer divisor
   10. Integer sum
   11. Integer average

Loop

1. Set register print string
2. Load string from memory / Display “Please enter an integer: ”
3. Accept integer from the user
4. Store the integer in the memory
5. Repeat 2 ~5 5 times
6. Calculate total of userInt 1 ~ userInt 5
7. Store the result in the memory of the Sum
8. Divide the Sum by divisor and store the average to result
9. Set register print string
10. Load string from memory / Display “The average of your numbers is: ”
11. Set register print integer
12. Load average from memory
13. Display average
14. Set register end program.
15. System call to end