```c
  1  #include <stdio.h>
  2
  3  #define COUNT_CHANNELS 10
  4  #define ZERO            0
  5  #define ONE             1
  6  #define TWO             2
  7
  8  //-------------------------------------------------------------------------------
  9  //                                    Exercise 6
 10  //                                    ---------
 11  //
 12  // General : The program counts several channels above the average viewing percentage.
 13  //
 14  // Input   : 40 numbers (0 - 100) (unsigned short).
 15  //
 16  // Process : The program calculates the average viewing percentage, and counts how
 17  //           many channels are in the field above average.
 18  //
 19  // Output  : Number of channels above average viewership percentage.
 20  //
 21  //-------------------------------------------------------------------------------
 22  // Programmer : Cohen Idan
 23  // Student No : 211675038
 24  // Date       : 23.10.2019
 25  //-------------------------------------------------------------------------------
 26  void main(void)
 27  {
 28      unsigned short channels[COUNT_CHANNELS] = { ZERO },
 29                     counter,
 30                     percent,
 31                     sum                      = ZERO,
 32                     avg,
 33                     counter                  = ZERO;
 34          (counter = ZERO; counter < COUNT_CHANNELS; counter++)
 35      {
 36          printf("Enter percet of viewers: ");
 37          scanf("%hd", &percent);
 38          channels[counter] = percent;
 39      }
 40
 41          (counter = ZERO; counter < COUNT_CHANNELS; counter++)
 42          sum += channels[counter];
 43
 44      // According to the second section "avg" should be changed to 20
 45      avg = sum / COUNT_CHANNELS;
 46          (counter = ZERO; channels[counter] > avg; counter++);
 47
 48      printf("Above avg: %hd\n", counter);
 49  }
```