```c
   #include <stdio.h>

   float data[3];  /* data to average and total */
   float total;    /* the total of the data items */
   float average;  /* average of the items */

   int main()
   {
     data[0] = 34.0;
     data[1] = 27.0;
     data[2] = 45.0;

     total = data[0] + data[1] + data[2];
     average = total / 3.0;
     printf("Total %f Average %f\n", total, average);
     return 0;
   }
```