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| **EX11-09.cpp:**  *Arbitrary Numbers of Arguments* | |
| **Line#** | **Code** |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20 | #include <iostream>  #include <cstdarg>  using namespace std;  static int Sum(int n, ...) {  va\_list arguments; // A place to store the list of arguments  int sum = 0;  va\_start(arguments, n); // Initializing arguments to store all values after n  for (int i = 0; i < n; i++) // Loop until all numbers are added  sum += va\_arg(arguments, int); // Adds the next value in argument list to sum  va\_end(arguments); // Cleans up the list  return sum;  }  int main() {  cout << Sum(3, 1, 2, 3) << endl;  cout << Sum(2, 1, 2) << endl;  cout << Sum(10, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) << endl;  return 0;  } |