#include <stdarg.h>

#include <stdio.h>

double sum(int num, ...)

{

int i;

double sum = 0;

va\_list entries;

va\_start(entries, num);

for (i = 0; i < num; i++) {

double term = va\_arg(entries, double);

sum += term;

}

return sum;

}

int main()

{

float s = sum(5, 5.3, 2.3, 1.3, 5.3, 2.1);

printf("Sum: %f\n", s);

return 0;

}