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#include <stdarg.h>
#include <stdio.h>
// The function declaration with a fixed argument 'count'
// and an ellipsis for the variable arguments.
double average(int count, ...) {
    va_list args;
    double sum = 0.0;
    int i;
    // Initialize the va_list to start processing arguments after 'count'.
    va_start(args, count);
    // Loop through all the variable arguments and add them to the sum.
    for (i = 0; i < count; i++) {</pre>
        // Retrieve the next argument as an integer.
        sum += va_arg(args, int);
    }
    // Clean up the va_list variable.
    va_end(args);
    // Calculate and return the average.
    return sum / count;
}
int main() {
    // Call the function with different numbers of arguments.
    printf("The average of 3, 5, and 6 is: %.2f\n", average(3, 5, 5, 6));
    printf("The average of 10, 15, and 20 is: %.2f\n", average(3, 10, 15,
20));
    return 0;
}
```