Function in Macros

#include <stdio.h>

#define MAX\_ARGS 5 // Define maximum number of allowed arguments

// Macro to print the arguments

#define print(x, ...) do { \

int n = 0; \

int args[] = {x, \_\_VA\_ARGS\_\_}; \

while (n < MAX\_ARGS && n < sizeof(args) / sizeof(args[0])) { \

printf("%d ", args[n]); \

n++; \

} \

} while (0) // Limit Max\_args and entered args

int main() {

// Calling ARGS macro with 3 arguments

printf("\nUsing 3 arguments in macros\n");

print(1, 2, 3); // Prints 1, 2, 3

// Calling ARGS macro with 6 arguments

printf("\nUsing 6 arguments in macros\n");

print(1, 2, 3, 4, 5, 6); // Will print 1, 2, 3, 4, 5 (because of MAX\_ARGS limit)

return 0;

}