```c
1  #include "../include/get_num_from_usr.h"
2
3
4
5  // Get number from user.
6  double get_num_from_usr(char prompt_str[], long MIN, long MAX)
7  {
8      double input;
9      int scanned;
10
11     while (1)
12     {
13         // Print prompt string.
14         printf(prompt_str);
15         // Scan for number.
16         scanned = scanf("%lf", &input);
17
18         // Catch non-numeric input error.
19         if (scanned == 0)
20         {
21             printf("\nFORMAT ERROR!!! Non-numeric input detected.\n\n");
22             // If close_on_input_error is true, close program.
23             if (SAFE_MODE == true)
24             {
25                 puts("Program closing...");
26                 exit(0);
27             }
28             clear_stdin();
29             continue;
30         }
31
32         // Catch out of bounds error.
33         if (!(input >= MIN && input <= MAX))
34         {
35             printf("\nFORMAT ERROR!!! Number is out of range.\n\n");
36             // If close_on_input_error is true, close program.
37             if (SAFE_MODE == true)
38             {
39                 puts("Program closing...");
40                 exit(0);
41             }
42             clear_stdin();
43             continue;
44         }
45         break;
46     }
47     return input;
48 }
49
50 // clear standard inout buffer.
51 void clear_stdin(void)
52 {
53     char dummy;
54     while ((dummy = getchar()) != '\n')
55         ;
56 }
57
```