```
1 #include <stdio.h>
 2 #include <stdlib.h>
 #include <ctype.h>
#include <string.h>
#include <stdbool.h>
 8 #define _USE_MATH_DEFINES
 9 #include <math.h>
10
#include "datatypes/enum.h"
12 #include "datatypes/struct.h"
13
#include "functions/print.h"

#include "functions/selection.h"

#include "functions/calculation.h"
18 int main()
19 {
       int dimension, i;
20
21
        enum shape shape;
        struct History history;
22
23
        // Initialize history count. for (i = 0; i < 7; i++)
24
25
26
            history.count[i] = 0;
27
28
29
30
        DisplayTitle("assets/title.txt");
31
32
        while (true)
33
            DimensionSelection(&dimension);
34
35
             if (!GeometrySelection(&shape, dimension))
36
37
                 continue;
38
39
40
41
            CalculateProperties(shape, &history);
42
43
             while (ProcessSelection())
44
45
                 CalculateHistoricalProperties(&history);
46
47
49
        return 0;
```