

C Online Compiler

main.c

Output

```
1  #include <stdio.h>
2
3  int main() {
4      int n, i;
5
6      // Ask for array size
7      printf("Enter the size of the arrays: ");
8      scanf("%d", &n);
9
10     int arr1[n], arr2[n], arr3[n], result[n];
11
12     // Input first array
13     printf("Enter elements of first array:\n");
14     for(i = 0; i < n; i++) {
15         scanf("%d", &arr1[i]);
16     }
17
18     // Input second array
19     printf("Enter elements of second array:\n");
20     for(i = 0; i < n; i++) {
21         scanf("%d", &arr2[i]);
22     }
23
24     // Input third array
25     printf("Enter elements of third array:\n");
26     for(i = 0; i < n; i++) {
27         scanf("%d", &arr3[i]);
28     }
29
30     // Multiply arrays element-wise
31     for(i = 0; i < n; i++) {
32         result[i] = arr1[i] * arr2[i] * arr3[i];
33     }
34
35     // Print the result
36     printf("Multiplication of the three arrays:\n");
```

Run