

```

C abcc > main()
1 // Q108: Write a Program to take an integer array nums. Print an array answer such that answer[i] is equal to the product of all the elements of nums except nums[i].
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 nums = [1,2,3,4]
7 Output 1:
8 [24,12,8,6]
9
10 Input 2:
11 nums = [-1,1,0,-3,3]
12 Output 2:
13 [0,0,9,0,0]
14
15 */
16
17 #include <stdio.h>
18
19 int main() {
20     int n, i, j;
21     printf("Enter number of elements: ");
22     scanf("%d", &n);
23     int nums[n], answer[n];
24
25     printf("Enter %d elements: ", n);
26     for (i = 0; i < n; i++)
27         scanf("%d", &nums[i]);
28
29     for (i = 0; i < n; i++) {
30         int prod = 1;
31         for (j = 0; j < n; j++) {
32             if (i != j)
33                 prod *= nums[j];
34         }
35         answer[i] = prod;
36     }
37
38     printf("[");
39     for (i = 0; i < n; i++) {
40         printf("%d", answer[i]);
41         if (i != n - 1)
42             printf(",");
43     }
44     printf("]\n");
45
46     return 0;
47 }

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\abc.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter number of elements: 4
Enter 4 elements: 1 2 3 4
[24,12,8,6]
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\abc.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter number of elements: 5
Enter 5 elements: -1 1 0 -3 3
[0,0,9,0,0]
PS C:\Users\drago\OneDrive\Desktop\C H.W>

```