

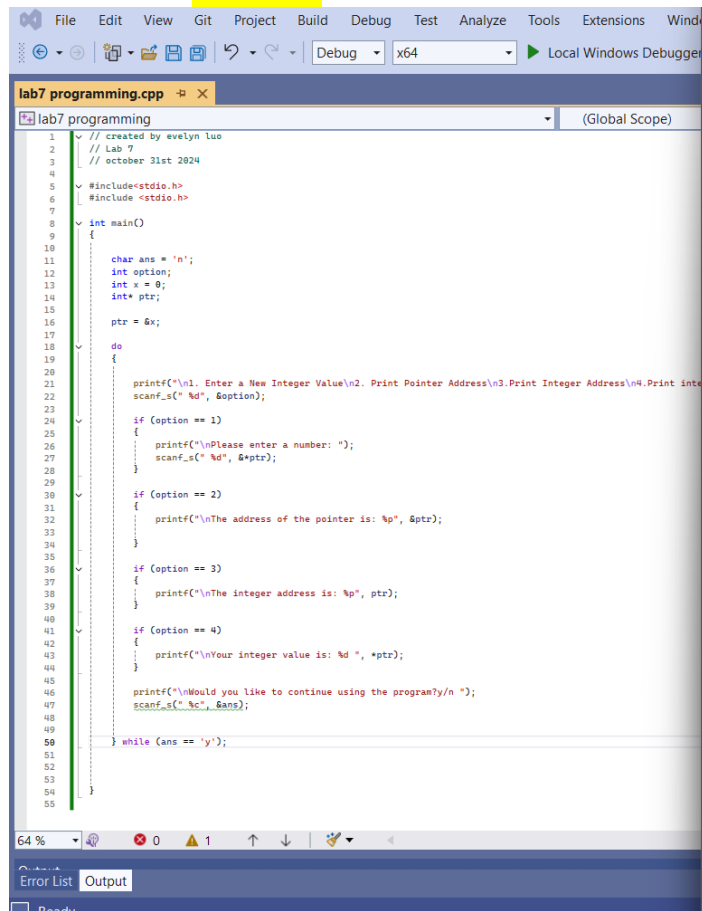
Lab 7 programming Evelyn Luo

Code

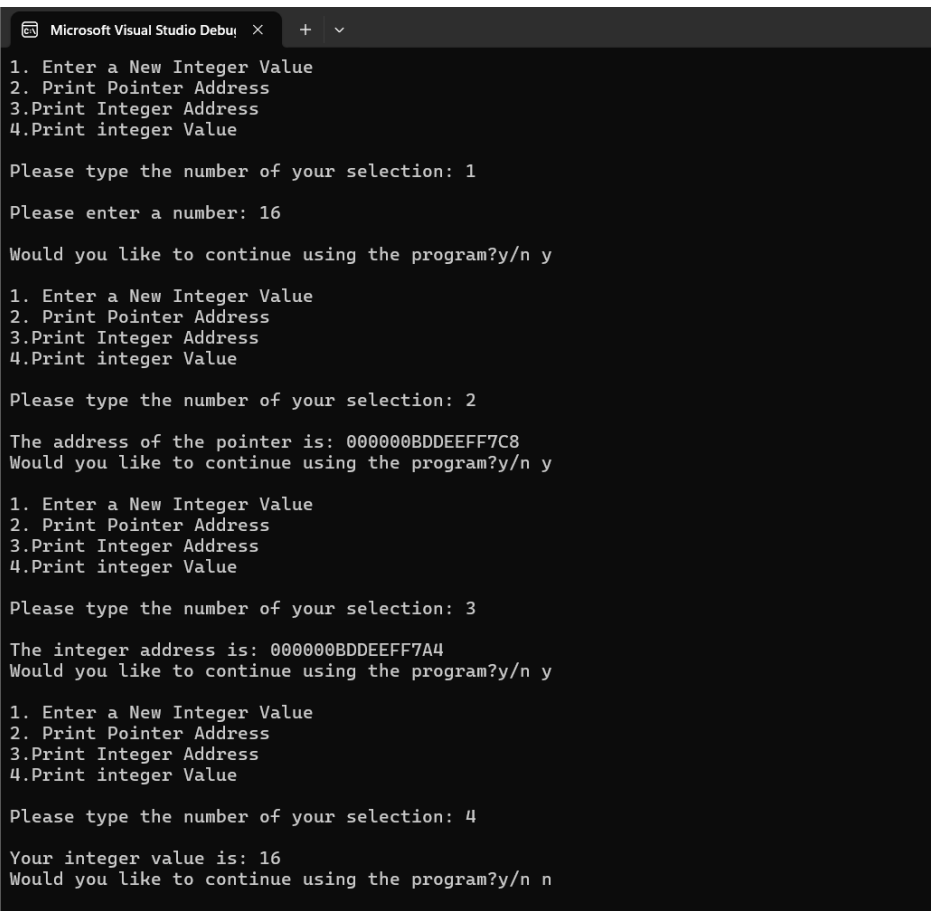
```
lab7 programming (Global Scope)

1 // created by evelyn luo
2 // Lab 7
3 // october 31st 2024
4
5 #include<stdio.h>
6 #include <stdio.h>
7
8 int main()
9 {
10
11     char ans = 'n';
12     int option;
13     int x = 0;
14     int* ptr;
15
16     ptr = &x;
17
18     do
19     {
20
21         printf("\n1. Enter a New Integer Value\n2. Print Pointer Address\n3.Print Integer Address\n4.Print integer Value\n\nPlease type the number of your selection: ");
22         scanf_s(" %d", &option);
23
24         if (option == 1)
25         {
26             printf("\nPlease enter a number: ");
27             scanf_s(" %d", &*ptr);
28         }
29
30         if (option == 2)
31         {
32             printf("\nThe address of the pointer is: %p", &ptr);
33         }
34
35         if (option == 3)
36         {
37             printf("\nThe integer address is: %p", ptr);
38         }
39
40         if (option == 4)
41         {
42             printf("\nYour integer value is: %d ", *ptr);
43         }
44
45         printf("\nWould you like to continue using the program?y/n ");
46         scanf_s(" %c", &ans);
47
48     } while (ans == 'y');
49
50 }
51
52
53
54
55
```

Outcome



```
1 // created by evelyn luo
2 // Lab 7
3 // october 31st 2024
4
5 #include<stdio.h>
6 #include <stdio.h>
7
8 int main()
9 {
10
11     char ans = '\n';
12     int option;
13     int x = 0;
14     int* ptr;
15
16     ptr = &x;
17
18     do
19     {
20
21         printf("\n1. Enter a New Integer Value\n2. Print Pointer Address\n3.Print Integer Address\n4.Print integer Value\n");
22         scanf_s("%d", &option);
23
24         if (option == 1)
25         {
26             printf("\nPlease enter a number: ");
27             scanf_s("%d", &ptr);
28
29
30
31         if (option == 2)
32         {
33             printf("\nThe address of the pointer is: %p", &ptr);
34
35
36         if (option == 3)
37         {
38             printf("\nThe integer address is: %p", ptr);
39
40
41         if (option == 4)
42         {
43             printf("\nYour integer value is: %d ", *ptr);
44
45
46         printf("\nWould you like to continue using the program?y/n ");
47         scanf_s("%c", &ans);
48
49
50     } while (ans == 'y');
51
52
53
54
55 }
```



```
Microsoft Visual Studio Debug Console
1. Enter a New Integer Value
2. Print Pointer Address
3.Print Integer Address
4.Print integer Value

Please type the number of your selection: 1

Please enter a number: 16

Would you like to continue using the program?y/n y

1. Enter a New Integer Value
2. Print Pointer Address
3.Print Integer Address
4.Print integer Value

Please type the number of your selection: 2

The address of the pointer is: 000000BDDEEFF7C8
Would you like to continue using the program?y/n y

1. Enter a New Integer Value
2. Print Pointer Address
3.Print Integer Address
4.Print integer Value

Please type the number of your selection: 3

The integer address is: 000000BDDEEFF7A4
Would you like to continue using the program?y/n y

1. Enter a New Integer Value
2. Print Pointer Address
3.Print Integer Address
4.Print integer Value

Please type the number of your selection: 4

Your integer value is: 16
Would you like to continue using the program?y/n n
```