

```

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75
76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93
94 95 96 97 98 99 100
enter an integer you would like to find    5
The integer is in the array. At index 4
Enter the index of the integer you would like to modify: 4
Enter the new value for the integer: 4
The integer at index 4 was modified from 5 to 4
Enter the new value you would like to have appended to
the end of the array: 100
The new value 100 was added to the array at index 100
Enter the index you would like to remove or replace: 5
Enter the value you would like use (0 to replace any other
int to remove): 0
1 2 3 4 4 0 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75
76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93
94 95 96 97 98 99 100 100

```

The program provides explicit instructions on what to enter when it is needed.  
Nothing else is required to run to program.