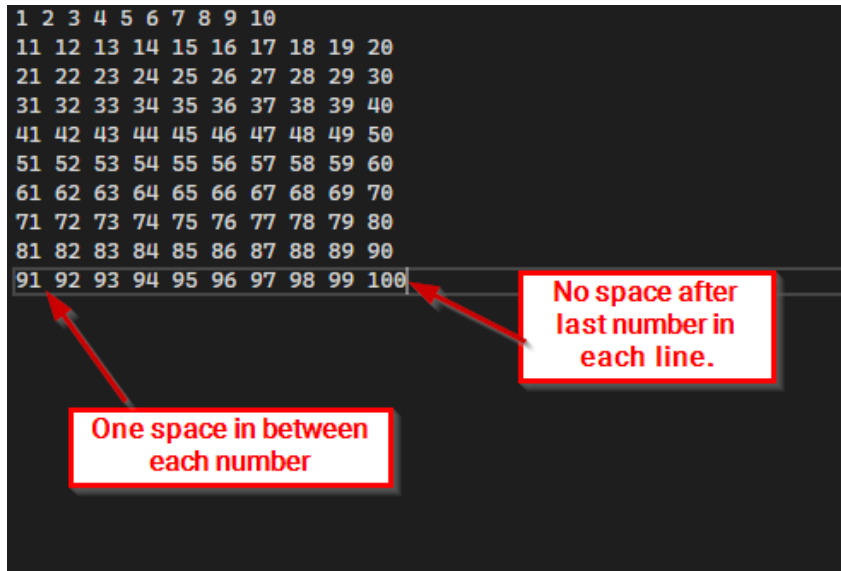Instructions

1. Create a text file that contains a list of numbers formatted as shown below, and place the text file in the same folder as the main.cpp and header files.
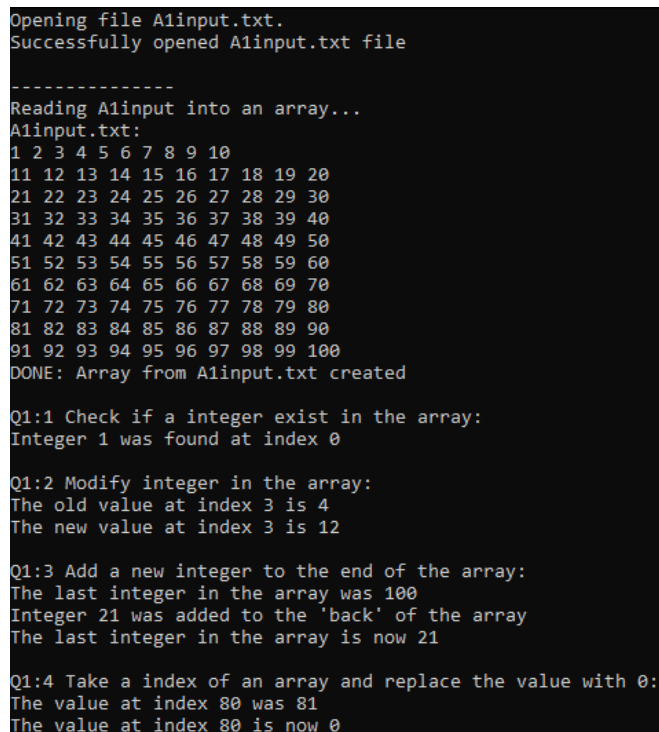
```
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28 29 30
31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50
51 52 53 54 55 56 57 58 59 60
61 62 63 64 65 66 67 68 69 70
71 72 73 74 75 76 77 78 79 80
81 82 83 84 85 86 87 88 89 90
91 92 93 94 95 96 97 98 99 100
```

No space after last number in each line.

One space in between each number

2. Run the main.cpp program, which will perform four functions on the array that's created from the text file you've created in step 1. Here's the screenshots of the outputs:

```
Opening file A1input.txt.
Successfully opened A1input.txt file

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Reading A1input into an array...
A1input.txt:
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
DONE: Array from A1input.txt created

Q1:1 Check if a integer exist in the array:
Integer 1 was found at index 0

Q1:2 Modify integer in the array:
The old value at index 3 is 4
The new value at index 3 is 12

Q1:3 Add a new integer to the end of the array:
The last integer in the array was 100
Integer 21 was added to the 'back' of the array
The last integer in the array is now 21

Q1:4 Take a index of an array and replace the value with 0:
The value at index 80 was 81
The value at index 80 is now 0
```