



```
C:\Users\mille\source\repos\cs303-ss17\64\Debug\cs303-ss1.exe

Enter a .txt filename (included file integerlist.txt) blankFile.txt
An invalid input was received from the file.
Main Menu
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
Retrieve a value from the array - type 'r'
Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'

What would you like to do?: p
The array is empty.
Main Menu
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
Retrieve a value from the array - type 'r'
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Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'

What would you like to do?: a
Enter the new value 42
42 was added to the end of the array.
Main Menu
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
Retrieve a value from the array - type 'r'
Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'

What would you like to do?: d
Enter the index of the value you want to delete. 0
Value at index 0 was 42 has been deleted. Now the value at that index is 42
Main Menu
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
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What would you like to do?: p
The array is empty.
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Write array to a file - type 'w'
Quit - type 'q'

What would you like to do?: d
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Value at index 0 was 42 has been deleted. Now the value at that index is 42
Main Menu
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Write array to a file - type 'w'
Quit - type 'q'
```

```
Select C:\Users\mille\source\repos\cs303-ans1\64\Debug\cs303-ans1.exe
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'
```

what would you like to do?: s

Enter the value you want to search for 1000

The value is not in the array.

Main Menu

```
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
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Retrieve a value from the array - type 'r'
Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'
```

what would you like to do?: s

Enter the value you want to search for 100

100 found at index 21

Main Menu

```
Search for a value in the array - type 's'
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Retrieve a value from the array - type 'r'
Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'
```

what would you like to do?: d

Enter the index of the value you want to delete. 21

Value at index 21 was 100 has been deleted. Now the value at that index is 99

Main Menu

```
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
Retrieve a value from the array - type 'r'
Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'
```

what would you like to do?: r

Enter the index of the value you want to retrieve. 21

The value at index 21 is 99

Main Menu

```
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
```

The value at index 21 is 99

Main Menu

```
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
Retrieve a value from the array - type 'r'
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Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'
```

what would you like to do?: o

Enter the index of the value you want to overwrite. 21

Enter the new value 42

99 at index 21 replaced by 42

Main Menu

```
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Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'
```

what would you like to do?: r

Enter the index of the value you want to retrieve. 21

The value at index 21 is 42

Main Menu

```
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
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```

what would you like to do?: p

```
50 80 28 70 9 71 75 82 34 72
23 1 12 18 86 26 78 2 12 92
5 42 56 61 25 95 56 64 55 27
59 35 67 77 74 45 85 73 16 91
65 31 58 73 31 19 75 65 7 17
56 19 34 46 71 33 13 70 33 97
40 84 14 62 67 16 4 64 56 26
4 33 82 67 83 74 21 83 80 29
58 75 31 9 51 10 63 85 70 96
70 14 86 94 26 36 75 43 14
```

Main Menu

```
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
```

```
Select C:\Users\mille\source\repos\cs303-ast\vs64\Debug\cs303-ast1.exe

Main Menu
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
Retrieve a value from the array - type 'r'
Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'

what would you like to do?: a
Enter the new value 15
15 was added to the end of the array.

Main Menu
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
Retrieve a value from the array - type 'r'
Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'

what would you like to do?: a
Enter the new value 16
16 was added to the end of the array.

Main Menu
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
Retrieve a value from the array - type 'r'
Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'

what would you like to do?: p
50 80 28 79 9 71 75 82 34 72
23 1 12 18 86 26 70 2 12 92
5 42 56 61 25 95 58 64 35 27
59 35 87 77 74 45 85 73 16 91
65 31 58 23 11 19 75 65 7 17
66 10 34 46 71 33 13 70 33 97
40 84 14 62 67 16 4 64 56 26
4 33 62 67 83 74 21 83 80 29
50 75 31 9 51 10 63 85 70 96
70 14 86 94 26 36 75 43 14 15
16

Main Menu
Search for a value in the array - type 's'

Select C:\Users\mille\source\repos\cs303-ast\vs64\Debug\cs303-ast1.exe
50 75 31 9 51 10 63 85 70 96
70 14 86 94 26 36 75 43 14 15
16

Main Menu
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
Retrieve a value from the array - type 'r'
Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'

what would you like to do?: r
Enter the index of the value you want to retrieve. 100
The value at index 100 is 16

Main Menu
Search for a value in the array - type 's'
Delete a value from the array - type 'd'
Overwrite a value in the array - type 'o'
Append a value to the array - type 'a'
Retrieve a value from the array - type 'r'
Output the array to the screen - type 'p'
Enter a new file to be read - type 'f'
Write array to a file - type 'w'
Quit - type 'q'

what would you like to do?: q
*
```