1. Write a program that does the following:
    a. declares a constant integer called *SIZE*
    b. asks the user to enter a set of *SIZE* numbers
    c. stores these numbers in an array called *nums*
    d. prints the number of values larger than the first item in the array
    e. prints the number of values larger than the last item in the array

    You are only allowed to use two for loops to solve this problem. A sample output of the program with *SIZE* = 5 is shown below:

```
Enter number 1: 3
Enter number 2: 2
Enter number 3: 4
Enter number 4: 7
Enter number 5: 4
There are 3 item(s) larger than the first
There are 1 item(s) larger than the last
```

    Be sure to test your program with different values for *SIZE*. It should work for all values greater than or equal to 2.

2. Write a program that does the following:
    a. declares a constant integer called *SIZE*
    b. asks the user to enter a set of *SIZE* numbers
    c. stores these numbers in an array called *nums*
    d. reverses the order of all of the numbers in the array except for the first and the last numbers
    e. prints the numbers in the array after they have been reversed

    You are allowed to use several for loops to solve this problem, but **you are only allowed to use one array**. A sample output of the program with *SIZE* = 7 is shown below:

```
Enter number 1: 1
Enter number 2: 2
Enter number 3: 3
Enter number 4: 4
Enter number 5: 5
Enter number 6: 6
Enter number 7: 7
1654327
```

    Be sure to test your program with different values for *SIZE*. It should work for all values greater than or equal to 2.

    When you are done, please create a tarball that contains both programs and submit it to Canvas.