

CS-200: Programming I  
Spring 2017  
Northeastern Illinois University  
PLTL: Week of 10/17/17  
Arrays/Loops

**Problem #1**

- Write a program that has the class name Problem1 and that has the main method.
- Prompt the user to enter a positive integer n between 0 - 9999 until there is a repeat entry.
- The program should figure out how many integers were entered before there was a repeat entry.
- You may only use a boolean array to solve this problem.
- Several sample runs are provided for you below. Your output must be formatted **exactly** like the sample runs below.

```
Enter an int: 1
Enter an int: 1
You have entered 1 value
```

```
Enter an int: 87
Enter an int: 90
Enter an int: 87
You have entered 2 values
```

```
Enter an int: 67
Enter an int: 80
Enter an int: 95
Enter an int: 30
Enter an int: 67
You have entered 4 values
```

**Problem #2**

- Write a program that has the class name Problem2 and that has the main method. Within main create 3 chars with the values a, b, x.
- Create a string array with that contains: cat, dog, mouse, x, monkey, tiger, a.
- Create a boolean array length 3.
- Create a new method named checkChar that takes a char and string array as a parameter then returns a boolean value. This value should be saved in your boolean array.
- Inside of this method compare the char to the elements in the array. In order to do this you must first concatenate the char with an empty string. This will turn the char into a string.
- A sample usage is provided for you below. Consider why each output from the boolean array is false.

```
false
false
false
```