

CS-200: Programming I
Fall 2017
Northeastern Illinois University
PLTL: Week of 10/03/17
Looping

Practice Problem #1

- Write a program that has the class name Problem1 and that has the main method. The main method should take user input for one integer.
- The create another method called isPrime that is void and takes one integer as a parameter.
- Write a third method named check that returns a boolean and takes an integer as a parameter.
- The program should print out true if the number entered by the user is prime and false if otherwise.
- Several sample runs are provided for you below. Your output must be formatted **exactly** like the sample runs below. Note that while your output must be formatted as below, you will not get the same results as this uses random numbers.

```
Enter n: 5  
true
```

```
Enter n: 9  
false
```

Practice Problem #2

- Write a program that has the class name Problem2 and that has the main method.
- Ask the user to enter integers until 3 consecutive increasing integers are enter.
- The program should display the sum of all the integers entered.
- Several sample runs are provided for you below. Your output must be formatted **exactly** like the sample runs below.

```
Enter an int: 3  
Enter an int: 4  
Enter an int: 5  
12
```

```
Enter an int: 20  
Enter an int: -2  
Enter an int: -1  
Enter an int: 0  
17
```

```
Enter an int: 1  
Enter an int: 7  
Enter an int: 8  
Enter an int: 2  
Enter an int: 9  
Enter an int: 10  
Enter an int: 11  
48
```