Lab 1: Numbers   **Due date:** Tuesday, *09/17/19 @ 11:59pm*

Description of the Problem

Write a Java application that provides the user the option to choose between three different tasks on numbers.

Task #1. Odd or Even
Given an integer from the user, the program will determine and print whether it's odd or even.

Task #2. Multiples
Given two integers from the user, the program will determine whether the first is a multiple of the second and prints the result.

Task #3. Digits in an integer
Given a number consisting of five digits from the user, separates the number into its individual digits and prints the digits separated from one another by three spaces each.

Sample Runs

run:
1) Odd or Even number
2) Multiples
3) Digits
4) To exit
Please choose an option: 1

Enter integer: 45
Number is odd

run:
1) Odd or Even number
2) Multiples
3) Digits
4) To exit
Please choose an option: 2

Enter first number: 12
Enter second number: 2
12 is a multiple of 2

run:
1) Odd or Even number
2) Multiples
3) Digits
4) To exit
Please choose an option: 2

Enter first number: 12
Enter second number: 5
12 is not a multiple of 5

run:
1) Odd or Even number
2) Multiples
3) Digits
4) To exit
Please choose an option: 3

Enter five-digit integer: 24163
Digits in 24163 are 2 4 1 6 3

IMPORTANT.

Follow the various style conventions we've discussed in class (variable naming, constants, spaces, etc) including putting comments in your program.

1) The program must compile without errors.
2) Your program must have the following comments at the top. Don't forget to include them because they will count toward the grade of this lab.

```
/************************************************************************
 * First and Last Name   CSCI 6302.01 Fall 2018    Lab #1: Numbers      *
 *                                                                      *
 ***********************************************************************/
```

3) Name your file as `Numbers_lastnameFirstname.java`.

4) When done, submit your java file via blackboard.