**COSC 2050 (JAVA Programming I)**

Assignment 1, (Due 09/05/2017, before class)

1. Download and install the current version of JDK.

Download and install the current version of NetBeans

Page: 745 for PC and Page 755 for Mac

1. Download and install the source code for your text book. Page747 for PC and Page 757 for Mac
2. Write a program that does the following

**Calculate travel time based on distance and speed**

## Console

Welcome to the Travel Time Calculator

Please enter your name: John Doe

Enter miles: 200

Enter miles per hour: 65

Estimated travel time for John Doe

Hours: 3

Minutes: 4

Continue? (y/n): y

Please enter your name: Jane Doe

Enter miles: 100

Enter miles per hour: 65

Estimated travel time for Jane Doe

Hours: 1

Minutes: 32

Continue? (y/n): n

Good Bye

## Operation

* The application prompts the user to enter values for miles and miles per hour.
* The application displays the approximate travel time in hours and minutes.
* The application prompts the user to continue.

## Specifications

* The application should accept decimal entries like 10.5 and 20.65.
* Make sure that the user will enter valid data.
* All entries should be >=0.
* Miles per hour cannot be more than 100.
* The application should continue only if the user enters “y” or “Y” to continue.

## Hint

* Use integer arithmetic and the division and modulus operators to get hours and minutes.

## Submission

* Email your program (should name it TravelTimeCalculator.java) to **gangsun24@webster.edu**