San José State University
Computer Science Department
CS151, Object Oriented Design and Programming, 05, Fall 2022

Homework #9

Objective:

This homework's objective is to review and understand the units on IO programming.

Details:

Exercise 1:

Implement a program that takes command line input from a user and outputs it to a file named **command_line_input.txt**. As long as the user keeps entering input it should keep being appended to the end of this file. When the user presses "@q" (without quotes) the command line input should end and the file should be closed and saved. Use your favorite IO programming libraries to achieve this result. Make sure to implement all necessary exception handling to account for invalid use cases. Save your program to a file named **CreateFile.java**.

Exercise 2:

Implement a program that reads in a text file "quote.txt", included with this homework assignment, and outputs its contents to the command line screen. Use your favorite IO programming libraries to achieve this result. Make sure to implement all necessary exception handling to account for invalid use cases. Save your program to a file named **ReadFileInput.java**.

Exercise 3:

Implement a program that takes command line input from a user, expecting an integer value, converts it to hexadecimal format and outputs the converted value back to command line screen. Make sure to implement all necessary exception handling to account for invalid use cases. You can use any built-in Java libraries to implement the conversion. Save your program to a file named **IntToHex.java**.

Submission:

Submit all files created by you for the homework exercises: CreateFile.java, ReadFileInput.java, IntToHex.java and any other files you completed for this assignment, if any.

Make sure to submit by 11:59pm on the due date listed in Canvas. Submit your solution via Canvas.

If you have any questions, message me or the grader or both:
Yulia.Newton@sjsu.edu
madhujitaranjit.ambaskar@sjsu.edu

Grading:

Your code must compile and execute successfully in order to get full credit for this assignment.
For each exercise, I will compile and execute the files.
* Program with no compile errors
* Program executes
* Program outputs what is required by the exercise

A total of 30 points are possible for this homework assignment.