Lab Exercises wk07 – Assignment 1 Questions and Answers

Required Reading

None

Instructions – PLEASE READ *(notice **bold** and underlined phrases)*

Lab Exercise has three parts:

A. Peer Marking – TA Presents Solutions to Part A, Students do Peer Marking
B. Exercises – No exercises this week
C. Submission – Submit your Marked Paper Copy of Part A to your TA

1. **You must submit your peer marked paper copy of your submitted Assignment 1 Answers to Part A by the end of the tutorial.**
2. **Submission deadline: Monday Feb 15th by end of Tutorial Session**
3. **Before you leave the CSIL labs, make sure that a TA looks at your work in order to receive your attendance and lab active participation marks.**
4. **Lab07 Intended learning outcomes**

By the completion of list lab, students should be able to:

- Identify Expression Evaluation order of operations based on Operator Precedence
- Write an expression to generate any sequence of random integers in C++
- Write simple for loops to display a series of numbers to cout
- Write indefinite loops using either while loops or do-while loops

A. Peer Marking

You should have come to the tutorial with a copy of your answers to the four questions on Part A of Assignment 1. If you do not have them, you can use the CSIL Printer to print them. Be sure that your printout includes your name, student number, and student email address.

Your TA will instruct you to exchange your answers with another student for peer marking. This is an opportunity to get immediate feedback on your Assignment. Exchange your paper with another student, then at the top of the paper write "Marked By" followed by your name, student number, and email. This is required in order to get your marks for the Tutorial.

The TA will review the answers for each question. Mark the student's questions as right or wrong based on whether they match the correct answers.

Marking Rubric:

Question 1:

- **Each expression is worth one mark: 1/2 mark each for the correct order of evaluation and 1/2 mark for the correct computed result.**
- **All expressions compile and will not encounter any run-time errors, so no marks if the student says indicates that the expression is invalid or will cause an exception.**
- **Add up all the correct answers and write the total out of 10 and circle it.**

Question 2:

- **One mark for the correct #include file**
- **One mark for naming the function used to seed a random number generator.**
- **One mark each for the correct range for (a), (b), and (c). No part marks,**
- **Add up all the correct answers and write the total out of 5 and circle it.**

Question 3:

- **Give 5 marks for a correct FOR loop solution that prints the correct numbers**
- **Deduct 1 mark if loop variable is not declared.**
- **Deduct 2 marks if the wrong set of numbers are displayed**
- **Deduct 3 marks if the loop never terminates**
- **Deduct 2 marks if there is no space inserted between each number**
- **Assign a mark between 0 and 5 accordingly, and circle it.**

Question 4:

- **Give 5 marks for a correct Do-While loop that prints numbers 2 to 20**
- **Deduct 1 mark if loop variable is not declared.**
- **Deduct 2 marks if the wrong set of numbers are displayed**
- **Deduct 3 marks if the loop never terminates**
- **Deduct 2 marks if there is no space inserted between each number**
- **Deduct 5 marks if a FOR loop or WHILE loop is used instead of a Do-While**
- **Assign a mark between 0 and 5 accordingly, and circle it.**

Once all four questions have been marked, add up the 4 marks and Write the total out of 25 at the top of the front page. Ensure you have recorded your name as the peer marker in order to receive credit for marking this assignment.

Return the Marked sheet to the owner.

Check in with the TA

Once your marked sheet has been returned to you, review the results. Then check in with the TA with your marked sheet to record your attendance and hand the TA your marked assignment Part A. This will be handed back to you in class once we have reviewed how well your peer student marked the assignment, and verified your mark.

B. Lab Exercises – To be completed by Students Individually

If you successfully completed all portions of Assignment 1 and submitted all components, you are free to go once you have handed in your Marked sheet with the answers to Part A to the TA. It is your responsibility to check in with the TA in order to receive attendance marks.

If you were unable to submit all components of Assignment 1 previously, stay until the end of the tutorial and use this time to work on one or more of the missing components. Use this time to ask your TA for help. This is your opportunity to catch up on this material in time for the Midterm in Wk08.

C. Lab Exercise Submission – To be completed by Students

You must submit your marked Assignment sheet back to the TA before the end of the Tutorial. It will be returned to you later in the week in class.