CS1021 Lab 2 Outline – Formulas & Functions

Prelab Activity:
1. Reread Chapter 3 – Formulas and Functions, p. 79-109
   Don’t work the problems; just think about them and how you would solve them.
3. Answer Questions 2-5. Bring the spreadsheet(s) with your answers to the lab session meeting.

Activity During Lab*:
1. Work with a lab partner. A partner will be assigned to you for this lab.
2. Lab partners will compare their answers to Questions 2-5. Reviewing the work for each answer should take about 2 minutes each. The lab partners should spend no more than 10 minutes on this activity. If problems arise, they should be noted for the lab instructor. Please record them in a text file along with the time you spent with your lab partner discussing these four questions.
   a. Lab partners take turns.
   b. The first lab partner explains his/her answer(s) to Question 2 while viewing his/her prelab work on one computer. The other lab partner asks questions about the solution or shares observations from his/her own solution to the same problem. Share any unresolved questions with your lab instructor.
   c. The second lab partner explains his/her answer(s) to Question 3 while viewing his/her prelab work on one computer. The other lab partner asks questions about the solution or shares observations from his/her own solution to the same problem. Share any unresolved questions with your lab instructor.
   d. The first lab partner explains his/her answer(s) to Question 4 while viewing his/her prelab work on one computer. The other lab partner asks questions about the solution or shares observations from his/her own solution to the same problem. Share any unresolved questions with your lab instructor.
   e. The second lab partner explains his/her answer(s) to Question 5 while viewing his/her prelab work on one computer. The other lab partner asks questions about the solution or shares observations from his/her own solution to the same problem. Share any unresolved questions with your lab instructor.
3. Lab partners work their way through Questions 9-12. Lab partners will alternate the roles of driver and navigator. These roles are explained in a document in the General Information area of this WebCT course. The two partner team will work through Questions 6, 8, 9, 10, 11, and 12 according to the following table.

<table>
<thead>
<tr>
<th>Question</th>
<th>Driver Role</th>
<th>Navigator Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>1st Partner</td>
<td>2nd Partner</td>
</tr>
<tr>
<td>8</td>
<td>2nd Partner</td>
<td>1st Partner</td>
</tr>
<tr>
<td>9</td>
<td>1st Partner</td>
<td>2nd Partner</td>
</tr>
<tr>
<td>10</td>
<td>2nd Partner</td>
<td>1st Partner</td>
</tr>
</tbody>
</table>
a. Work all problems within the same workbook. Work each problem on a separate tabbed spreadsheet within the workbook. For each problem record the following information on the same spreadsheet that you worked the problem.

1. Identify the name of the driver and navigator for the problem.
2. Record the amount of time spent working on the problem.
3. Record any observations and questions the lab partners have regarding the particular problem.

The information you and your lab partner supply will help the lab instructor who may provide feedback to the you, to other students in the lab, and could be used to improve the lab in the future.

* Note: Your lab instructor may vary the actual activity during the lab to tailor the activity to the students and other circumstances surrounding the lab.

**Postlab Activity:**

1. Complete the post lab activities that appear with this lab. There are two postlab activities for this lab: Lab 2A – Macros & Financial Analysis and Lab 2B – Matrix Math.
2. Postlab activities will be listed as assignments under the Lab heading of this learning module. The requirements for each postlab activity will be described when you click on the assignment link.
3. You may be able to start or even complete some or all of the postlab activity during the end of the lab period. Otherwise, you must complete the postlab activity outside of the lab meeting. Your lab instructor will control the pace of the lab meeting.
4. Submit postlab activities through the assignment link you used to get the assignment requirements.