**CSE 212 – Programming with Data Structures**

**W05 Prove – Response Document**

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| **Date:** | October 15th 2022 |
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**Question 1: From Part 1, how did you answer the interview question for the Set Operations problem (should be no more than 30 seconds if spoken aloud)?**

For the intersection I would compare each item in set1 to see if it is in set2. If it is, I would add that item to a new set. For the union I would simply iterate through each set, one at a time, and add the items to a new set.

**Question 2: From Part 2, how did you answer the interview question for the Find Pairs problem (should be no more than 30 seconds if spoken aloud)?**

To check for pairs I would compare the contents of the list to its inverse and add the pairs to a new set or print them as is. I would remove the item that I had just checked to cut down on run time.

Remember: You need to submit the following code files in addition to this document:

* 05-prove\_set\_operations.py
* 05-prove\_find\_pairs.py