**CSE 212 – Programming with Data Structures**

**W05 Prove – Response Document**

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| **Date:** | 5/20/2023 |
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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)?**

First, I would create a variable that stores a set in the intersection function. Then we would create a for loop where we loop through each item in set1 and if that element is in set2 we would add that item to the variable that stores the set.

Next, in the union function, we create a variable that holds set1 and loop the elements in set2 and add them into set1.

**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)?**

First, we create two variables that hold a set. We then loop each word passed and see if it equals the revered word. If it is not in the seen variable, we then add that word to the seen variable. We then create another variable and for loop in which if the reversed word and normal word is in seen then we add the both into a pair and print.

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

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