1. What is the syntax for defining a list? What is the syntax for defining a tuple? How are lists and tuples different in terms of their function?

**Ans: [] for a list, () for a tuple. Lists are mutable, tuples are not**

1. What is the difference between sort method and the sorted function?

**Answer some variant of: sort method permanently sorts a list, sorted function return a sorted list but does not alter the list**

1. Explain why a dictionary object is 'unordered'.

**Answer Some variant of: dictionaries have key, value pairs and because they are indexed via the keys, order of entry in a dictionary has no relevance.**

1. Create a list named 'exams' that contains the 3 elements 'Quiz', 'Midterm', 'Final'

**Ans: exams = [‘Quiz’, ‘Midterm’, ‘Final’]. Take off ½ point if they don’t have proper capatilization, 1 point off if they use {} or () instead of []**

**Answer A. sum(profit)….they could also also loop over each value in profit and += to compute sum. This is not as efficient, but it’s a fine answer. Take off ½ point if they have the logic of the loop but have an *obvious* problem with the syntax (but don’t worry too much about indentation level as they are writing out by hand).**

**Answer B. net\_profit = (sum(profit) – sum(tax))…they could also loop over all entries and compute this line by line using something like net\_profit += (profit[i] – tax[i]) . This would be fine. Take off ½ point if they have the logic of the loop but have an *obvious* problem with the syntax**