**CSE 212 – Programming with Data Structures**

**W03 Prove – Response Document**

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**Question 1: From Part 1, describe what the Mystery Stack 1 code does and how the use of a stack helps in the implementation.**

It reverses the text. Stacks help in separating the letters into their own place.

**Question 2: From Part 1, what are the three outputs from the Mystery Stack 1 code for the following three different inputs?**

* **Racecar**
  + **racecar**
* **stressed**
  + **dessert**
* **a nut for a jar of tuna**
  + a nut for a jar of tuna (but like with bad spacing)

**Question 3: From Part 2, describe what the Mystery Stack 2 code does and how the use of a stack helps in the implementation.**

**Question 4: From Part 2, answer the following regarding what the Mystery Stack 2 code does:**

* **What will the result be if the input parameter is: 5 3 7 + \***
  + **50**
* **What will the result be if the input parameter is: 6 2 + 5 3 - /**
  + **4**
* **What input parameter would result in the display of “Invalid Case 1!”**
  + **+ \* 3 2 3**
* **What input parameter would result in the display of “Invalid Case 2!”**
  + **4 3 4 0 /**
* **What input parameter would result in the display of “Invalid Case 3!”**
  + **?**
* **What input parameter would result in the display of “Invalid Case 4!”**
  + **4 4 4 4**