**CSE 212 – Programming with Data Structures**

**W03 Prove – Response Document**

|  |  |
| --- | --- |
| **Name:** | Joshua Ludwig |
| **Date:** | 5/6/2023 |
| **Teacher:** |  |

*It is a violation of BYU-Idaho Honor Code to post or share this document with others or to post it online. Storage into a personal and private repository (e.g. private GitHub repository, unshared Google Drive folder) is acceptable.*

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

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

* **racecar**
* **stressed**
* **a nut for a jar of tuna**

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