**JavaScript Summative Assessment 2 Feedback Sheet**

**Student Name:**

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| **Q1** |  | **/80** |
| Preamble  (10,10) | Sensible and Accurate Statement of Compliance   * SoC covers all parts of question /2 * SoC is accurate /6 * SoC is formatted as required (see P1) /2   Coding style:   * Comments /2 * Coding style, e.g. declaration, semi-colons, etc /2 * Sensible variable names /2 * Sensible function names /2 * Appropriate Indentation /2 |  |
| Set up  (5)  Beetle Eating (15) | (a): Declaration, Assignment, Array syntax, Populating array, Test /5  (b): Creating array of beetle numbers /3  Finding minimum element of array /2  Finding index of minimum element of array /1  Removing associated contestant /3  Output /1  (c): Setting up arrays /4  Creating responses /4  Finding length of responses /2  Finding minimum length /1  Eliminating person with minimum length /3  Output /1 |  |
| Loudness  (5)  Banana Contest  (15)  Final Winner  (10) | (d): Setting up array /1  Populating array /1  Finding minimum /1  Removing associated contestant /1  Output /1  (e): Setting up array /3  Populating array of for each contestant /4  Form row-sums of the banana array /3  Finding minimum /2  Remove associated contestant /2  Output /1  (f) Set up variables for contest /2  Generate random scores /2  Test for winner /2  Redo if tie /2  Output result /2 |  |
|  | **Total for Q1 ( /80**) |  |
| **Q2** |  |  |
|  | **Sample Solution:**   * The user is prompted for a sentence which is stored in the variable input. **/2** * Two variables, temp and output and declared and initialised to the empty string. **/2** * A for-loop is constructed which iterates through the characters of the input variable. **/1**   + If the character at a particular index is a space, an empty string is added to the temp variable, otherwise the character at that index is added. **/1**   + The result is that the variable temp is the same as the variable input except with all spaces removed. **/1** * Another for-loop is set up which iterates over the characters of the variable temp using a counter i. **/1**   + A boolean flag variable checked is declared and initialised to false. **/1**   + Another for-loop is nested inside the current for-loop. **/1**   + This has a count variable which iterates from 0 up to the index of the outer for-loop. **/1**     - An if-statement checks to see if the character at index i is equal to that at the index j, i.e. if the character at the index i has occurred previously in the string. **/1**       * If so, the boolean variable checked is set to true. **/1**     - This check is carried out for all the characters in temp. **/1**   + The inner for-loop is closed.   + If checked is true, i.e. if, for a particular character, it has already appeared in the string temp, that character is capitalised and added to the variable output. (Note that small and capitals are treated as different characters) **/2**   + If not, i.e. if checked is false, the character at i is added to the output variable but is made lower case. **/1** * The output variable is alerted to the screen. **/1** * The input "**Hello Roger**" results in the output "**helLorOgEr**" **/2** **/2** |  |
|  | **Total for Q2 ( /20)**  Some errors here. It may have been beificial to go through line by line as opposed to the narrative produced here. You have let out some functionality and meaning in the code. The final example statement is incorrect. |  |
| **Q3** |  |  |
|  | * 2 marks for declarations, * 2 marks for sensible variable names, * 2 marks for use of camelCase, * 2 marks for indentation, * 2 marks for other formatting (semi-colons, spaces, etc). |  |
|  | **Total for Q3 ( /10)**  **The variable C should have been renamed as well as the other 2 varibles.** |  |
| Question 4 | **Total for Question 4: ( /10)** |  |
|  | **Total for all Questions ( /130)** |  |
|  |  |  |
|  | **Total Percentage for Assessment** |  |
|  | **General Comments** |  |