This document will instruct and direct you to complete all of the evidence you will need to meet the Excellence level criteria for the following standard.

| **Number** | **Version** | **Title** | **Credits** | **Assessment** |
| --- | --- | --- | --- | --- |
| AS91896 | 1 | Use advanced programming techniques to develop a computer program | 6 | Internal |
| **Achievement Level Statement** | | | | |
| Use advanced programming techniques to develop a refined computer program. | | | | |

Please enter the requested evidence in the areas provided.

**PLEASE NOTE : COMPLETION OF THIS WORKSHEET DOES NOT GUARANTEE SUCCESS AT THIS LEVEL. IT ONLY ACTS TO PROVIDE A FRAMEWORK FOR WHICH A JUDGEMENT CAN BE MADE.**

**3 Ensuring that the program is a well-structured, logical response to the task**

In the table below explain how you have addressed each of the refined characteristics of the assessment and where further evidence can be found.

|  |  |  |
| --- | --- | --- |
| Refinements | Explanation | Where is it seen |
| 3.1 The program code is efficiently and effectively organised |  |  |
| 3.2 The program has features to help manage user input |  |  |
| 3.3 The program has user friendly output |  |  |
| 3.4 The program includes error capture features |  |  |
| 3.5 The program report unexpected behaviour to the user |  |  |

**3.6 Comprehensively testing and debugging the program. (ensure that it captures and manages invalid user inputs).**

Invalid tests are the tests made to make sure your program continues to operate when invalid data is entered. i.e. when the program asks for a number and the user enters some text, you want the program to manage this and continue as expected.

To fully test your program for invalid inputs you need to consider all the possible invalid entries a user or input system could make and test each appropriately (there could be quite a few). If you have built good error capture facilities then everything should work as expected!

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test No. | Test (include test data if necessary) | Expected Result | Actual Result | Test Result |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |
| 12 |  |  |  |  |
| 13 |  |  |  |  |
| 14 |  |  |  |  |
| 15 |  |  |  |  |
| 16 |  |  |  |  |
| Etc. | Please add more tests as needed |  |  |  |

# Your Code

Please copy the code from the third version of your program into the space below

|  |
| --- |
| V3 Code |
|  |