

Marking Scheme for SWE20004 2019 HS1 Assitgnment 1
Technical Software Development

Specification of what the purpose and functionality of the program is (2) Design presented as pseudocode or flowchart - **5 marks**

Documentation: (1) Header comments describing (a) the purpose and function of the program (b) Subject and assignment details (c) personal details of the author. (2) Inline comments where appropriate to describe crucial program statements - **5 points**

Validation of number (2 digits to 8 digits) - **2 marks**

Proper digits counting - **5 marks**

Proper encoding 2 digits number - **2 marks**

Proper encoding 3 digits - **5 marks**

Proper encoding 4 digits and above - **10 marks**

Proper prompt for extra protection for 8 digits - **5 marks**

Proper extra protection for 8 digits - **7 marks**

Proper decoding 2 digits (must use encrypted number for decoding) - **2 marks**

Proper decoding 3 digits (must use encrypted number for decoding) - **5 marks**

Proper decoding 4 digits and above (must use encrypted number for decoding) - **10 marks**

Proper decoding for 8 digits with extra protection (must use encrypted number for decoding) - **7 marks**

Lab Task 2.3 - Error free code - **7 marks**

Lab Task 2.3 - Screen shot of output window (correct output) - **3 marks**

Lab Task 3.8 - Error free code - **7 marks**

Lab Task 3.8 - Screen shot of output window (correct output) - **3 marks**

Lab Task 4.8 - Error free code - **7 marks**

Lab Task 4.8 - screen shot of output window (correct output) - **3 marks**