## FIT1008 - Intro to Computer Science
## Assessed Prac 1 - Marking Rubric

Semester 1, 2018

| CRITERIA | POOR | SATISFACTORY | GOOD |
|---|---|---|---|
| **Task 1 - 10 marks** | | | |
| **Program quality and documentation** | Low quality solution which could include no documentation or arising from a poorly written python code.<br>(0 marks) | Acceptable level of documentation, and mostly faithful to a well-written and understandable Python code.<br>(1 mark) | Well documented, faithful code arising from a clear and readable Python source.<br>(2 marks) |
| **Student understanding** | No evidence for understanding the solution.<br>(0 marks) | Small gaps in understanding the solution, student is capable of answering most questions about the code.<br>(2.5 mark) | The student clearly articulates the logic behind the solution and can explain and tweak the approach undertaken.<br>(5 marks) |
| **Correctness** | Does not produce the correct input for any given year.<br>(0 marks) | Produces the correct output for some years.<br>(1.5 marks) | Always produces the correct output.<br>(3 marks) |
| **Task 2 - 30 marks** | | | |
| **Program quality and documentation** | Low quality solution which could include no documentation or arising from a poorly written python code.<br>(0 marks) | Acceptable level of documentation, and mostly faithful to a well-written and understandable Python code.<br>(3 marks) | Well documented, faithful code arising from a clear and readable Python source.<br>(6 marks) |
| **Student understanding** | No evidence for understanding the solution.<br>(0 marks) | Small gaps in understanding the solution, student is capable of answering most questions about the code.<br>(7.5 marks) | The student clearly articulates the logic behind the solution and can explain and tweak the approach undertaken.<br>(15 marks) |
| **Correctness** | Does not produce the correct range of any given lists.<br>(0 marks) | Calculates the range for some inputs, however produces sometimes incorrect outpouts (e.g., on negative values).<br>(4.5 marks) | Correctly calculates the range for any given list.<br>(9 marks) |
| **Task 3 - 20 marks** | | | |
| **Program quality including documentation** | Low quality solution which could include no documentatio or arising from a poorly written python code.<br>(0 marks) | Acceptable level of documentation, and mostly faithful to a well-written and understandable Python code.<br>(2 marks) | Well documented, faithful code arising from a clear and readable Python source.<br>(4 marks) |
| **Student understanding** | No evidence for understanding the solution.<br>(0 marks) | Small gaps in understanding the solution, student is capable of answering most questions about the code.<br>(5 marks) | The student clearly articulates the logic behind the solution and can explain and tweak the approach undertaken.<br>(10 marks) |
| **Correctness** | Does not calculate the correct number of temperatures over the given target.<br>(0 marks) | Calculates the correct number in some cases<br>(3 marks) | Calculates temperautes over target temperaute for a variety of inputs.<br>(6 marks) |
| **Task 4 - 20 marks** | | | |
| **Program quality and documentation** | Low quality solution which could include no documentation or arising from a poorly written python code.<br>(0 marks) | Acceptable level of documentation, and mostly faithful to a well-written and understandable Python code.<br>(2 marks) | Well documented, faithful code arising from a clear and readable Python source.<br>(4 marks) |
| **Student understanding** | No evidence for understanding the solution.<br>(0 marks) | Small gaps in understanding the solution, student is capable of answering most questions about the code.<br>(5 marks) | The student clearly articulates the logic behind the solution and can explain and tweak the approach undertaken.<br>(10 marks) |
| **Correctness** | The solution does not use the frequency function.<br>(0 marks) | The solution attempts to use a frequency function but fails to follow the function calling/returning convention.<br>(3 marks) | Displays the correct frequencies and makes correct use of the frequency function.<br>(6 marks) |
| **Task 5 - 20 marks** | | | |
| **Program quality and documentation** | Low quality solution which could include no documentation or arising from a poorly written python code.<br>(0 marks) | Acceptable level of documentation, and mostly faithful to a well-written and understandable Python code.<br>(2 marks) | Well documented, faithful code arising from a clear and readable Python source.<br>(4 marks) |
| **Student understanding** | No evidence for understanding the solution.<br>(0 marks) | Small gaps in understanding the solution, student is capable of answering most questions about the code.<br>(5 marks) | The student clearly articulates the logic behind the solution and can explain and tweak the approach undertaken.<br>(10 marks) |
| **Correctness** | Does not calculate the leap year correctly.<br>(0 marks) | Doesn't use correct function calling convention or doesn’t work for some test cases.<br>(3 marks) | Calculates the correct leap year using correct function calling convention.<br>(6 marks) |