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| **CMM201: Programming Concepts for Business Analytics (Output 1)** **2019-2020**  **Student Name Shona Hutchinson Assessment Grade A** | | | | | | | |
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| **GRADE** | **A** | **B** | **C** | **D** | **E** | **F** | **NS** |
| **DEFINITION** | EXCELLENT Outstanding Performance | COMMENDABLE Meritorious Performance | GOOD  Highly Competent  Performance | SATISFACTORY Competent Performance | BORDERLINE FAIL Open To Compensation | FAIL Unsatisfactory | NON-SUBMISSION |
| **(WEIGHTING) SOURCES OF ASSESSMENT CRITERIA** | IN ALL CASES WITHIN THE LIMITS APPROPRIATE TO THE LEVEL OF STUDY ... | | | | | | |
| **(70%)**  **Code Functionality** | All the required functionalities can be performed by the five options.  The notebook/pdf/html files clearly show the execution of the five options by means of a “main” programme. | Most of the required functionalities can be performed by the five options, or one of the functions doesn’t work properly.  The notebook/pdf/html files show the execution of the five options by means of a “main” programme. | Two out of the five options don’t work properly.  The notebook/pdf/html files show some execution of the five options by means of a “main” programme to a certain extent. | Three out of the five options don’t work properly.  The notebook/pdf/html files show some the execution of the five options by means of a “main” programme, or this section does not work properly. | One of the functions shows some functionality.  A “main” programme has not been implemented. | No functionality is shown by the five options.  A “main” programme has not been implemented. | No functionality has been implemented. |
| **(30%)**  **Questions** | All questions are fully answered in a clear and concise manner. Problems are analysed correctly using effective examples. There is a critical discussion of the findings, and a research is undertaken using appropriate sources. | Questions are answered mostly in a clear and concise manner. Problems are analysed mostly correctly with some examples. There is a discussion of the findings, and some research is undertaken using appropriate sources. | Questions are answered in some manner. Problems are analysed with examples. There is a discussion of the findings, and some research is undertaken using some sources. | Questions are answered in a barely appropriate manner. Problems are not analysed and no examples are provided. There is barely a discussion of the findings, and some research is undertaken using some sources. | Questions are answered, but not in an appropriate manner. Problems are not analysed and no examples are provided. There is no a discussion of the findings, and no research is undertaken using inappropriate or incorrect sources. | Questions are answered ineffectively and with no examples or discussion. | No questions have been answered. |

**Feedback:** All your functions work correctly and you even had extra considerations, such as the fact that your program is capable of counting both lower case and capital letters “A”, as well as intending to check that inputs have the valid type. The questions were answered mostly in a correct manner; however, you did not provide an example for question 1 where you could showcase how to effectively check that a non-integer solution could be checked and that the user can try another time until an integer is inserted. Question 2 was answered correctly, as the example is very good at showcasing your point, although the optimal option may have been the “dictionary” structure, which lets you do the task in a much more efficient manner.