**Lab 03**

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| Name: | 謝方智 |
| Student ID: | B08611010 |
| Total Score: |  |

**Note:**

Most of the explanations in this lab is optional (except for question C2). However, giving reasonable explanations to your answer or programs will earn you partial credits when your answer is incorrect.

1. **Multiple Choice (24 points, 6 points each question)**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Answer | Explanation (Optional) | Score |
| 1 | d |  |  |
| 2 | a |  |  |
| 3 | c |  |  |
| 4 | b |  |  |

1. **Reading and Programming (24 points, 6 points each question)**

|  |  |  |
| --- | --- | --- |
| # | Explanation (Optional) | Score |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |

1. **Spot the Bug (26 points, 10 points + 16 points)**

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| # | Explanation (Mandatory for question 2) | Score |
| 1 |  |  |
| 2 | In Python, when passing a mutable value as a default argument in a function, the default argument is mutated anytime that value is mutated. Therefore, one should avoid passing mutable datatypes as default arguments unless one have a really good reason. To fix this, you should pass None as default argument and assign value inside the init method. |  |

1. **MyEnumerate (26 points)**

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| # | Explanation (Optional) | Score |
| 1 |  |  |