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| **4COSC001W: Software Development I – TEST PLAN for Part 1** Student Name/ID: Thanuga Rodrigo / w1998866 / 20220599  Seminar Day/Time:  Module Tutor: Mr. Nishantha Hewage, Mr. Lakshan Costa |

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|  | Student Name: Student ID: | | | | |
|  | TEST PLAN for Part 1  Submit completed test plan with your code solution | | | | |
| Test Component | Test No. | Test Input | A - Expected Result | B - Actual Result  (or state ‘not attempted’) | Pass/Fail  (‘A’ matches ‘B’ == Pass) |
| Progress | 1 | Pass = 120  Defer = 0  Fail = 0 | ‘Progress’ displayed | ‘Progress’ displayed | Pass |
| Progress (module trailer) | 2.1 | Pass = 100  Defer = 20  Fail = 0 | ‘Progress (module trailer)’ displayed | ‘Progress (module trailer)’ displayed | Pass |
| 2.2 | Pass = 100  Defer = 0  Fail = 20 | ‘Progress (module trailer)’ displayed | ‘Progress (module trailer)’ displayed | Pass |
| Module retriever | 3.1 | Pass = 80  Defer = 20  Fail = 20 | ‘Module retriever’ is displayed | ‘Module retriever’ is displayed | Pass |
| 3.2 | Pass = 60  Defer = 0  Fail = 60 | ‘Module retriever’ is displayed | ‘Module retriever’ is displayed | Pass |
| 3.3 | Pass = 40  Defer = 80  Fail = 0 | ‘Module retriever’ is displayed | ‘Module retriever’ is displayed | Pass |
| 3.4 | Pass = 20  Defer = 40  Fail = 60 | ‘Module retriever’ is displayed | ‘Module retriever’ is displayed | Pass |
| 3.5 | Pass = 0  Defer = 60  Fail = 60 | ‘Module retriever’ is displayed | ‘Module retriever’ is displayed | Pass |
| Exclude | 4.1 | Pass = 40  Defer = 0  Fail = 80 | ‘Exclude’ displayed | ‘Exclude’ displayed | Pass |
| 4.2 | Pass = 20  Defer = 0  Fail = 100 | ‘Exclude’ displayed | ‘Exclude’ displayed | Pass |
| Validation | 5.1 | Pass = a | ‘Integer required’ | ‘Integer required’ | Pass |
| 5.2 | Pass = 5 | ‘Out of range’ | ‘Out of range’ | Pass |
| 5.3 | Pass = 100  Defer = 40  Fail = 0 | ‘Total incorrect’ displayed | ‘Total incorrect’ displayed | Pass |
| Loops for multiple inputs | 6.1 | Program loops | Predicts multiple progression outcomes | Predicts multiple progression outcomes | Pass |
| 6.2 | Enter ‘q’ | Exits loop | Exits loop | Pass |
| Histogram | 7.1 |  | Progress 1 : \*  Trailer 2 : \*\*  Retriever 4 : \*\*\*\*\*  Excluded 3 : \*\* | Progress 1 : \*  Trailer 2 : \*\*  Retriever 4 : \*\*\*\*\*  Excluded 3 : \*\* | Pass |
| 7.2 |  | 10 outcomes in total. | 10 outcomes in total. | Pass |

# Screenshots of test cases

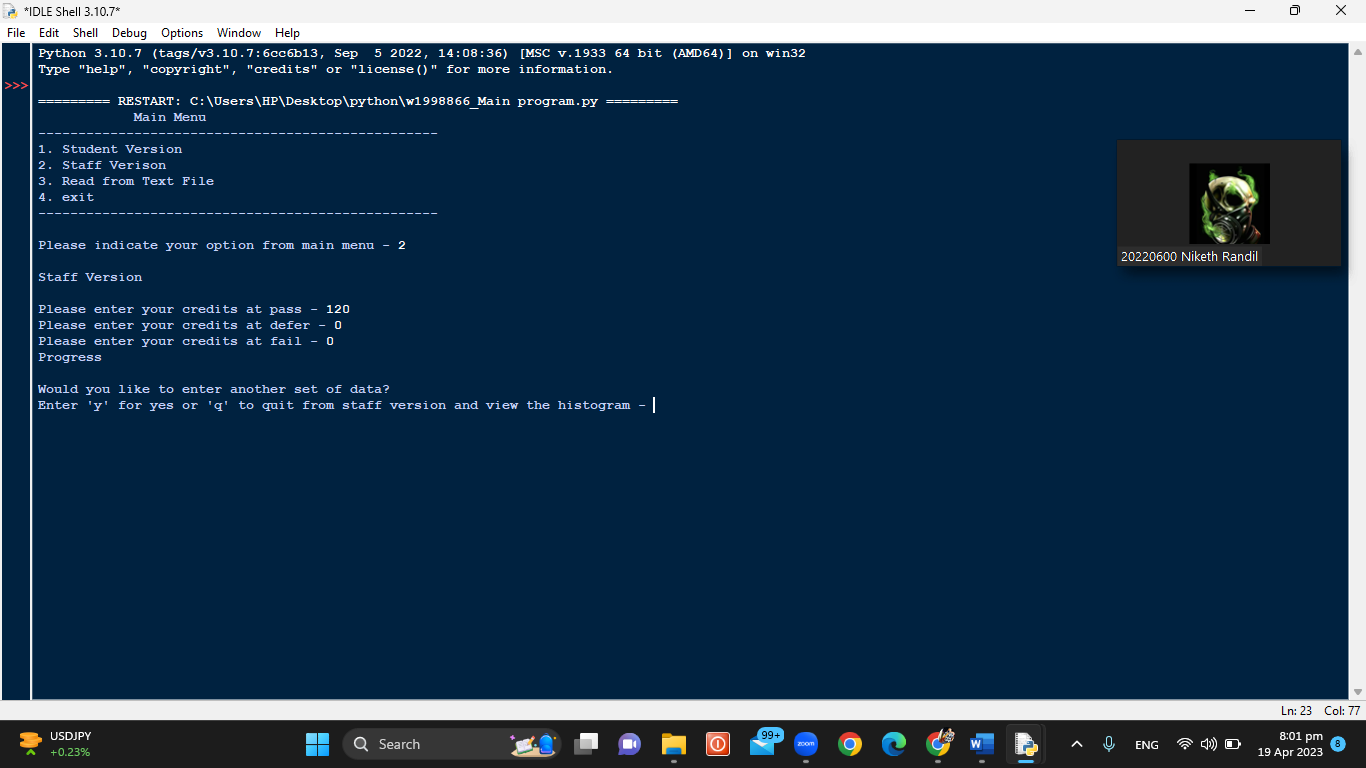


Figure - Test No 1

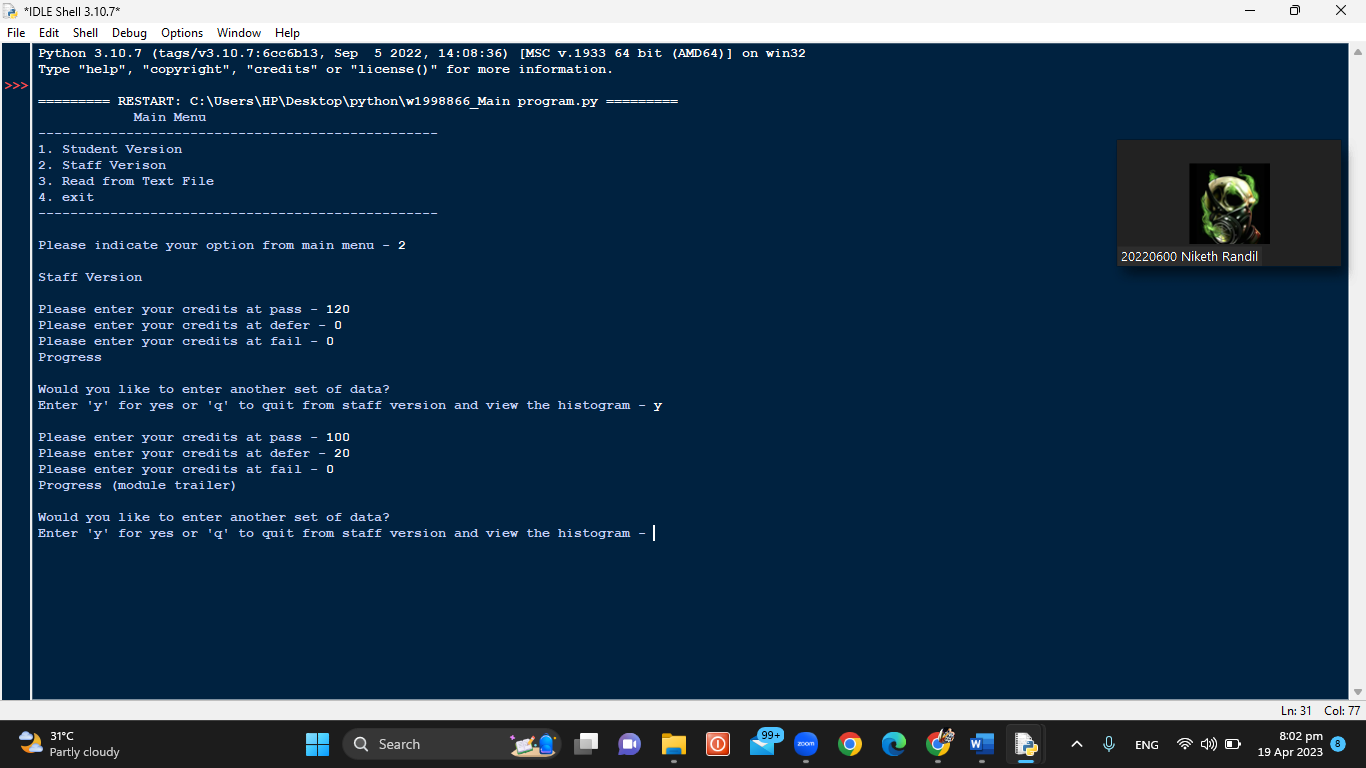


Figure - Test No 2.1

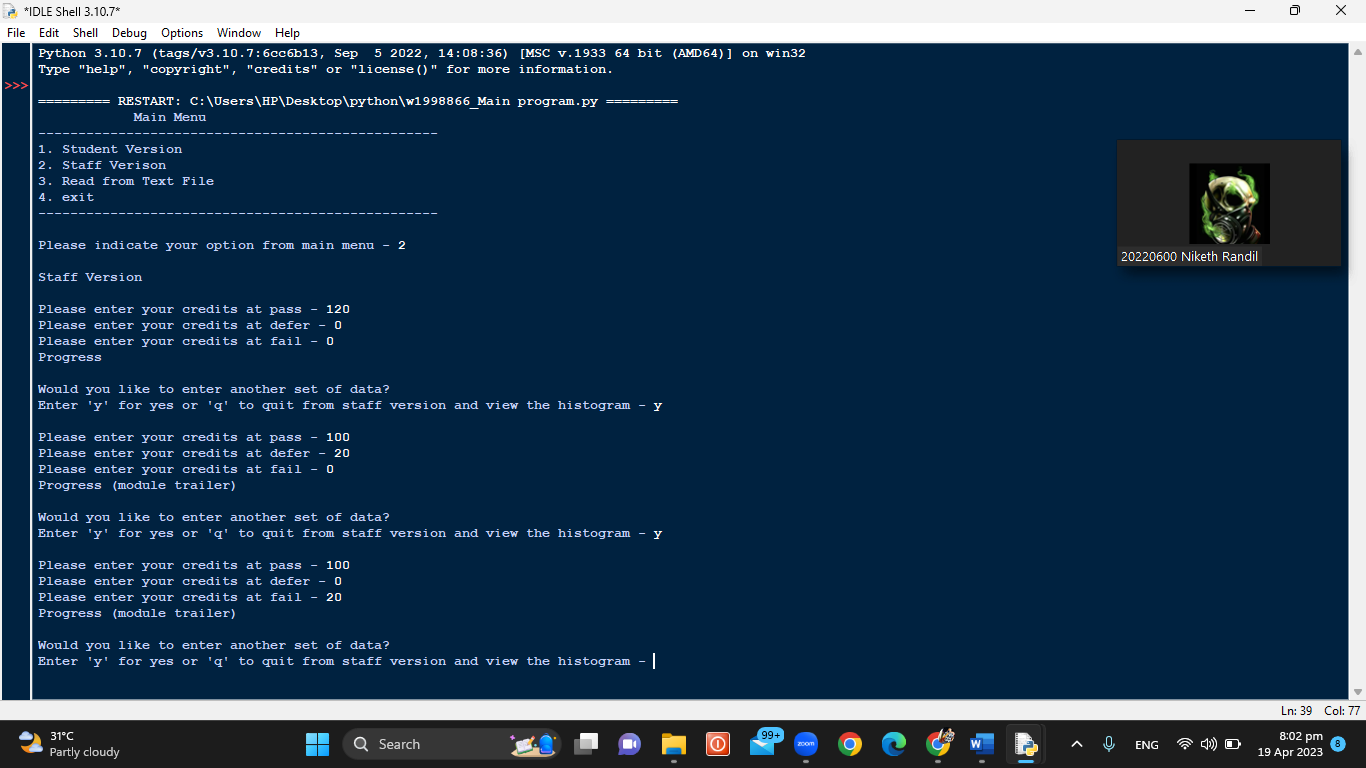


Figure - Test No 2.2

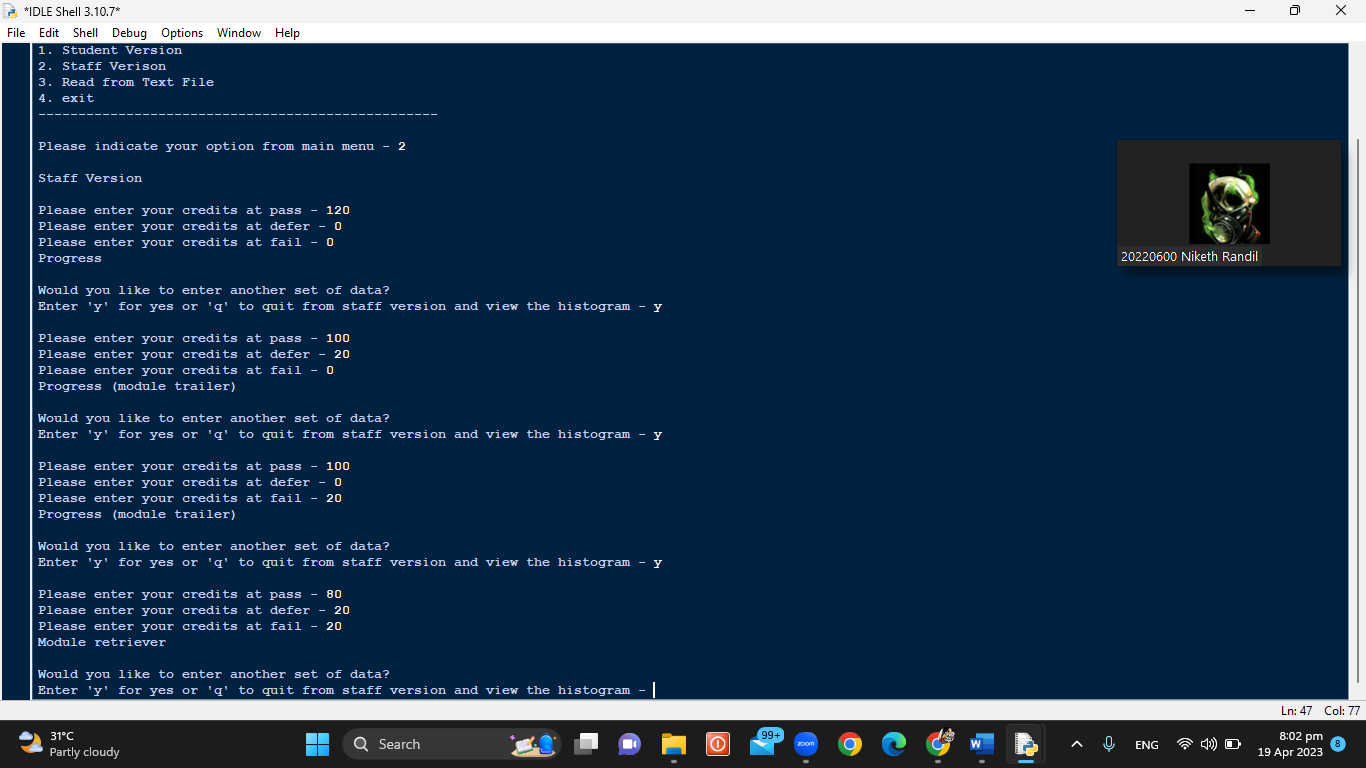


Figure - Test No 3.1

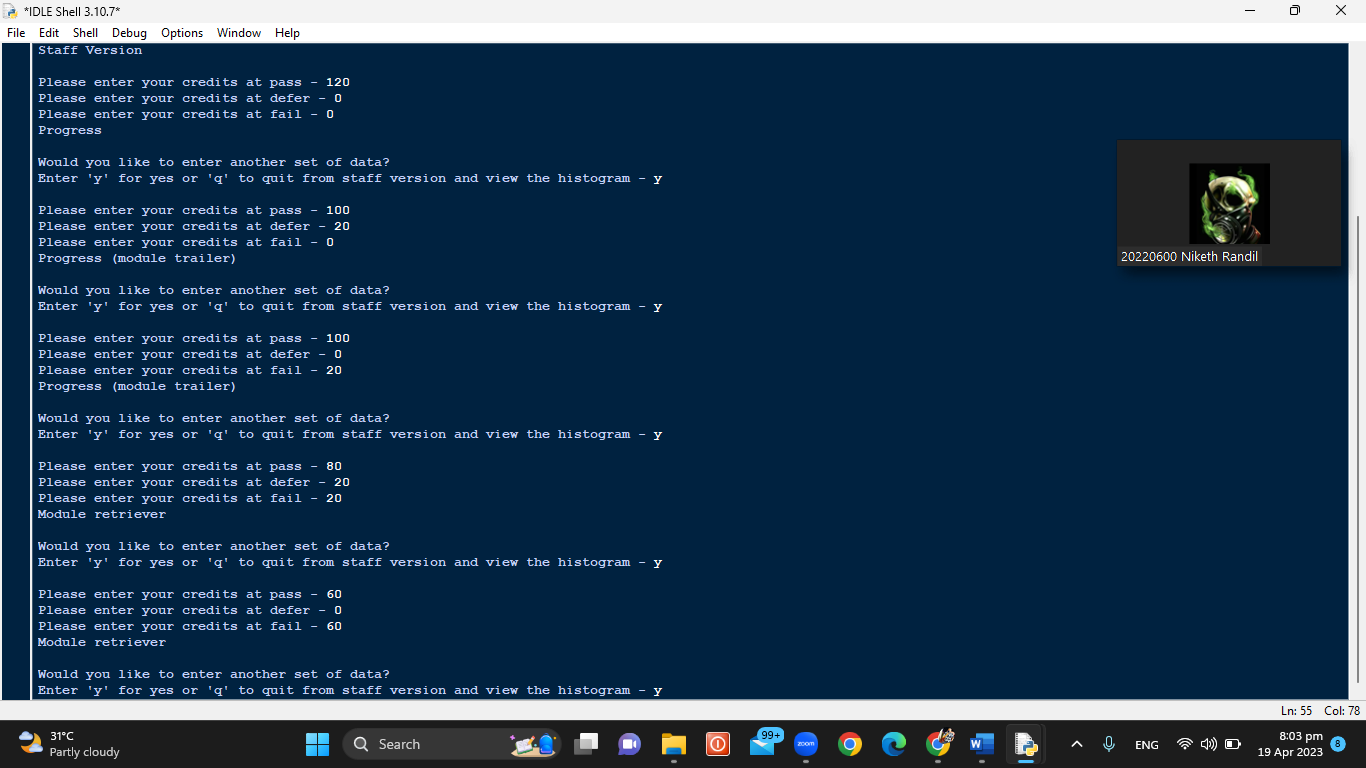


Figure - Test No 3.2

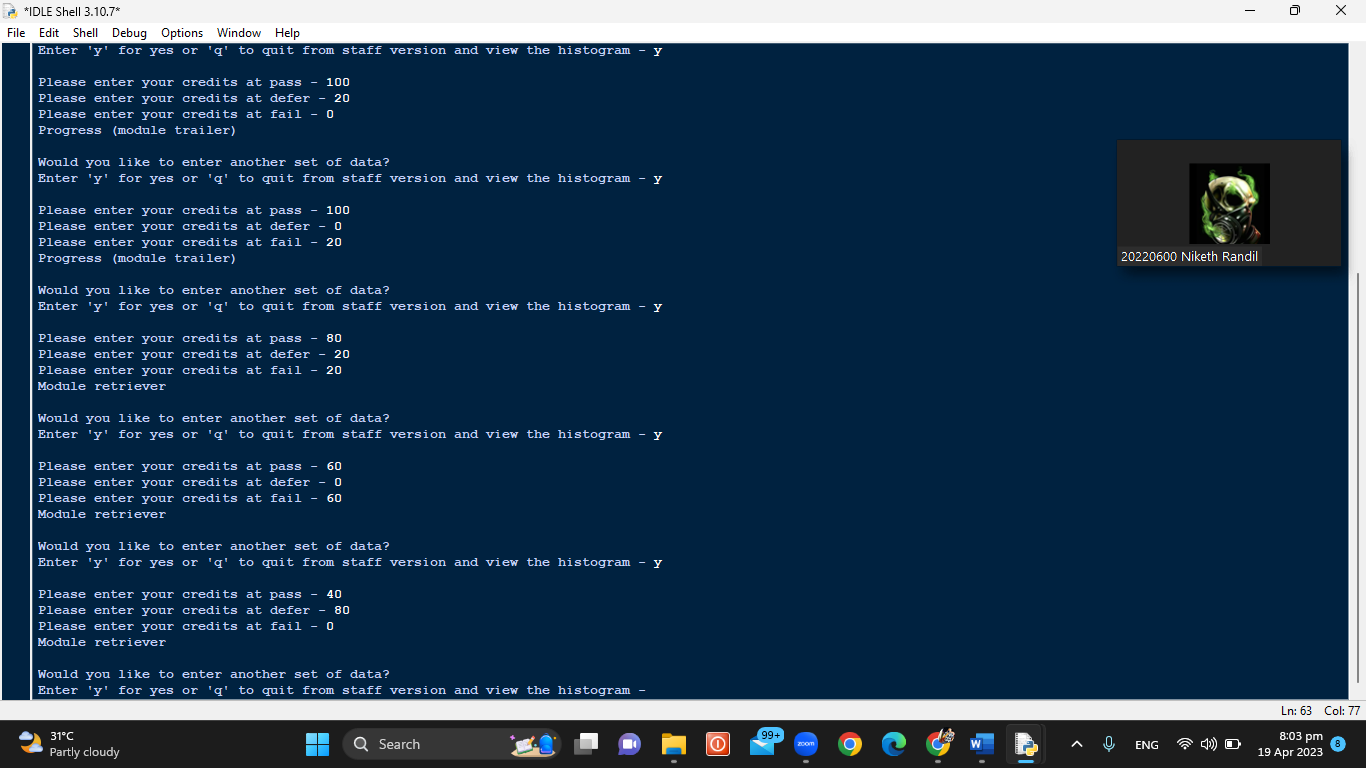


Figure - Test No 3.3

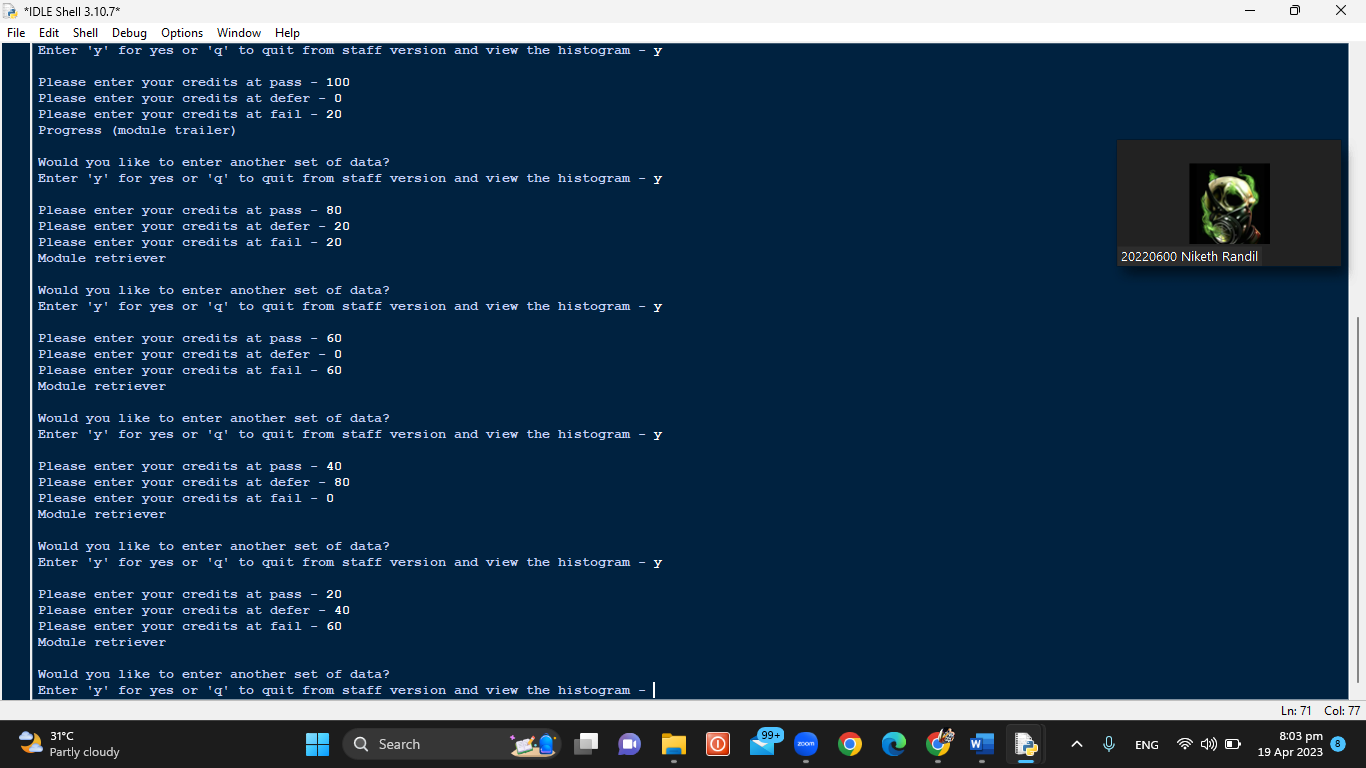


Figure - Test No 3.4

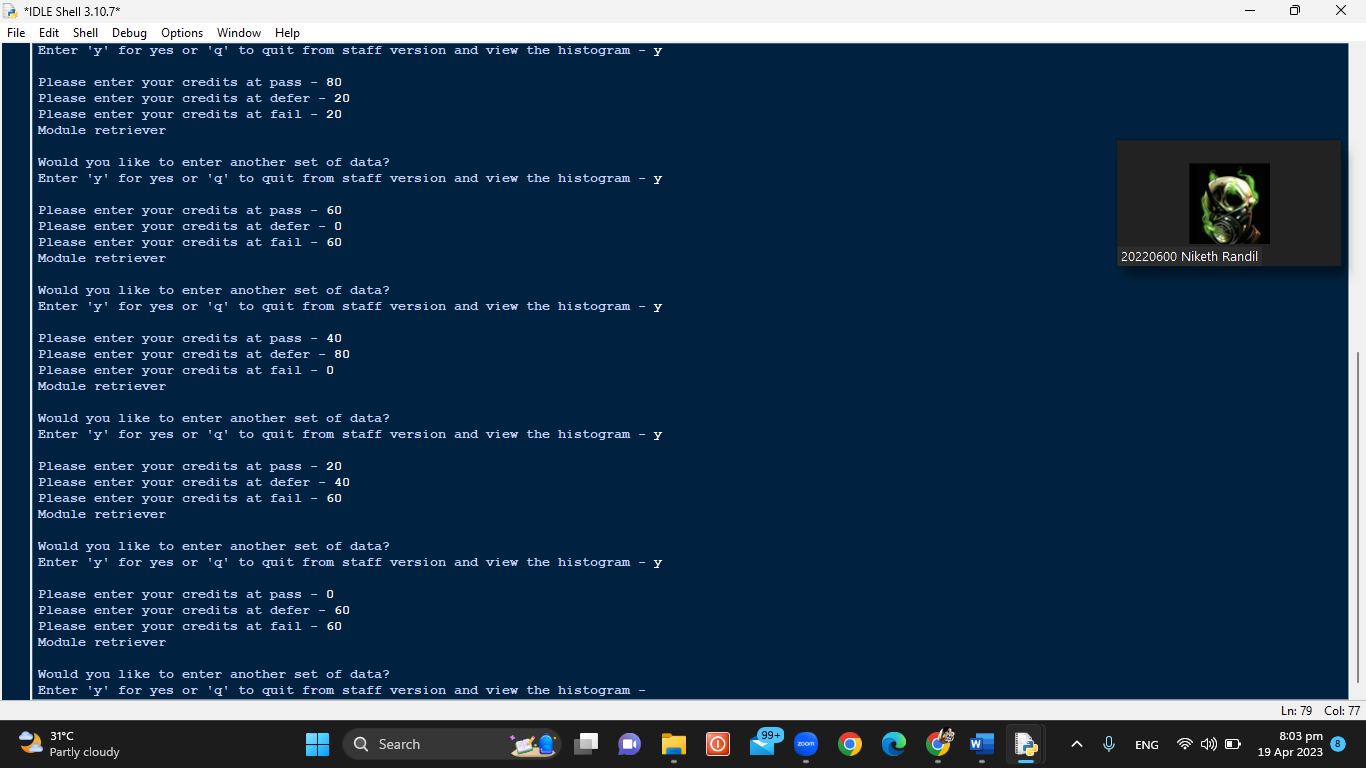


Figure - Test No 3.5

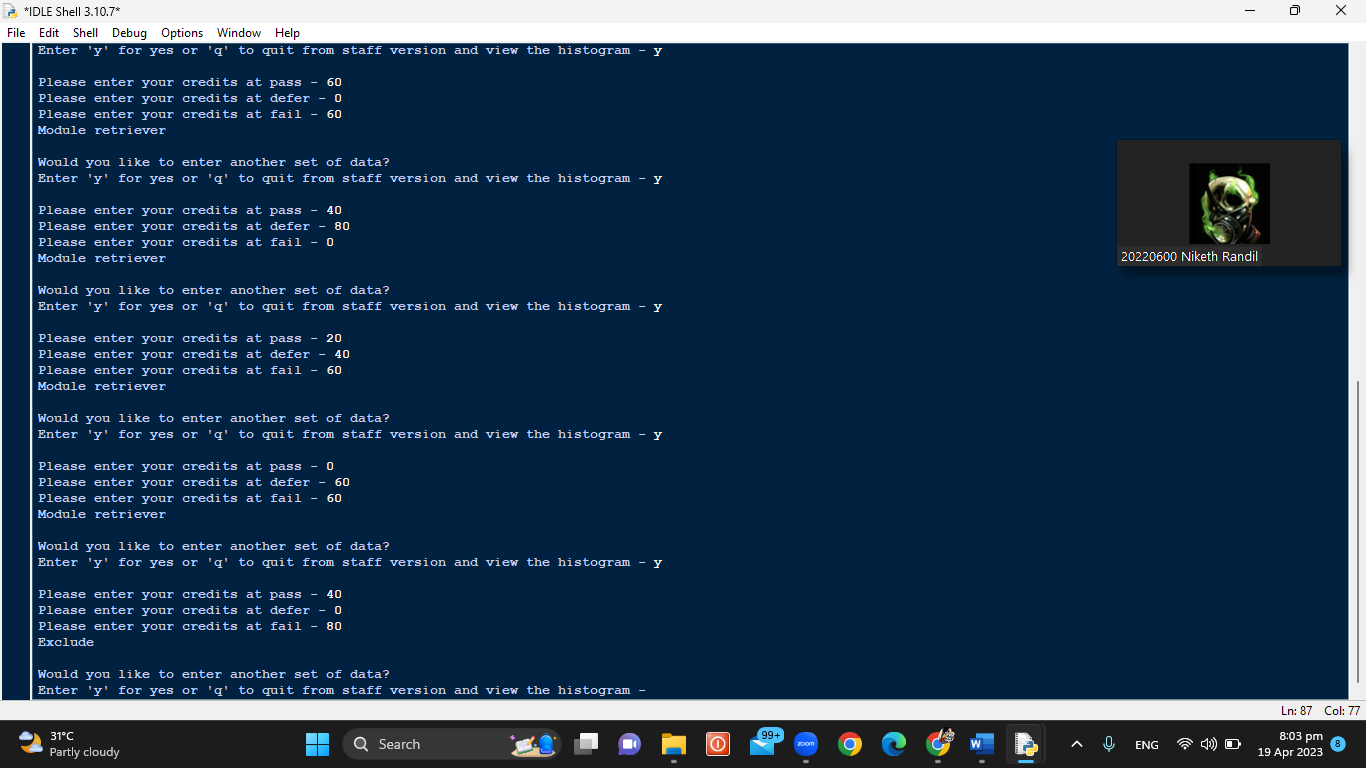


Figure - Test No 4.1

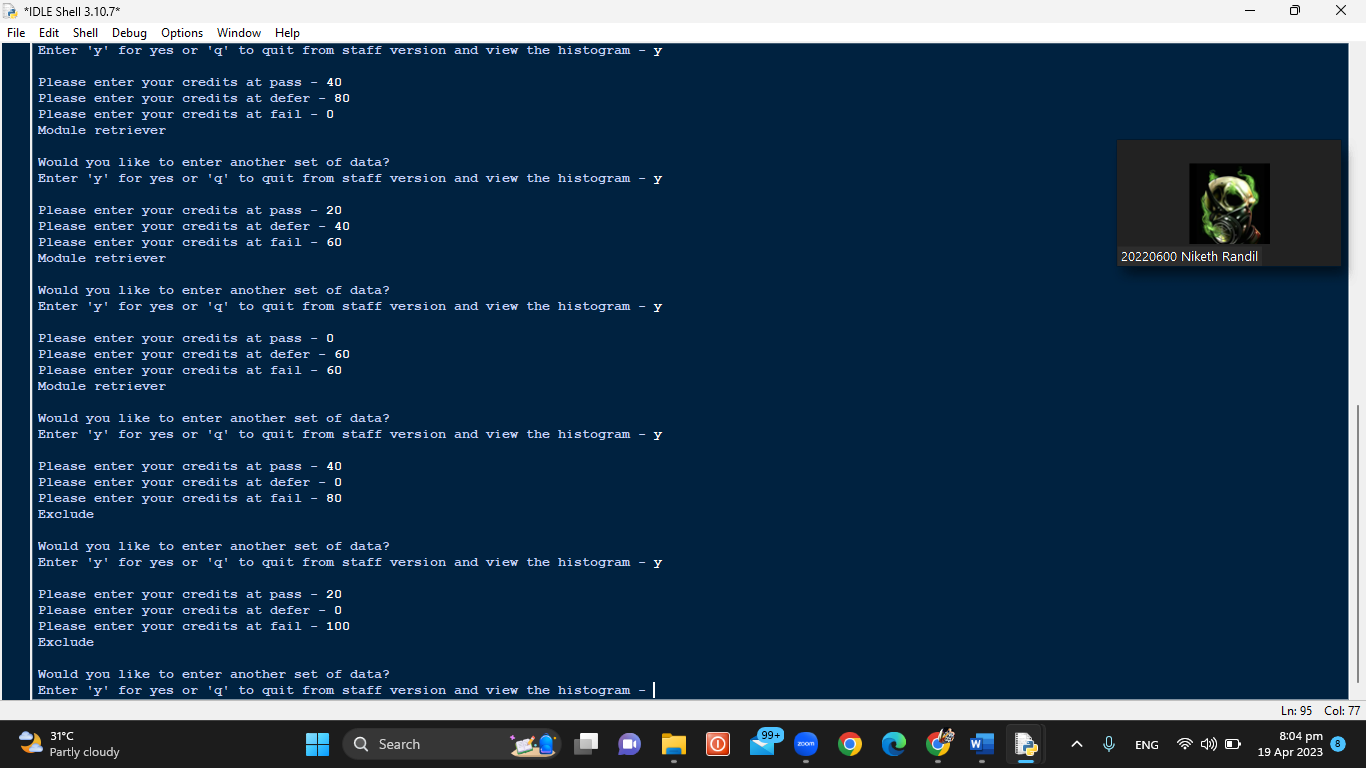


Figure - Test No 4.2

A screenshot of a computer

Description automatically generated

Figure - Test No 5.1

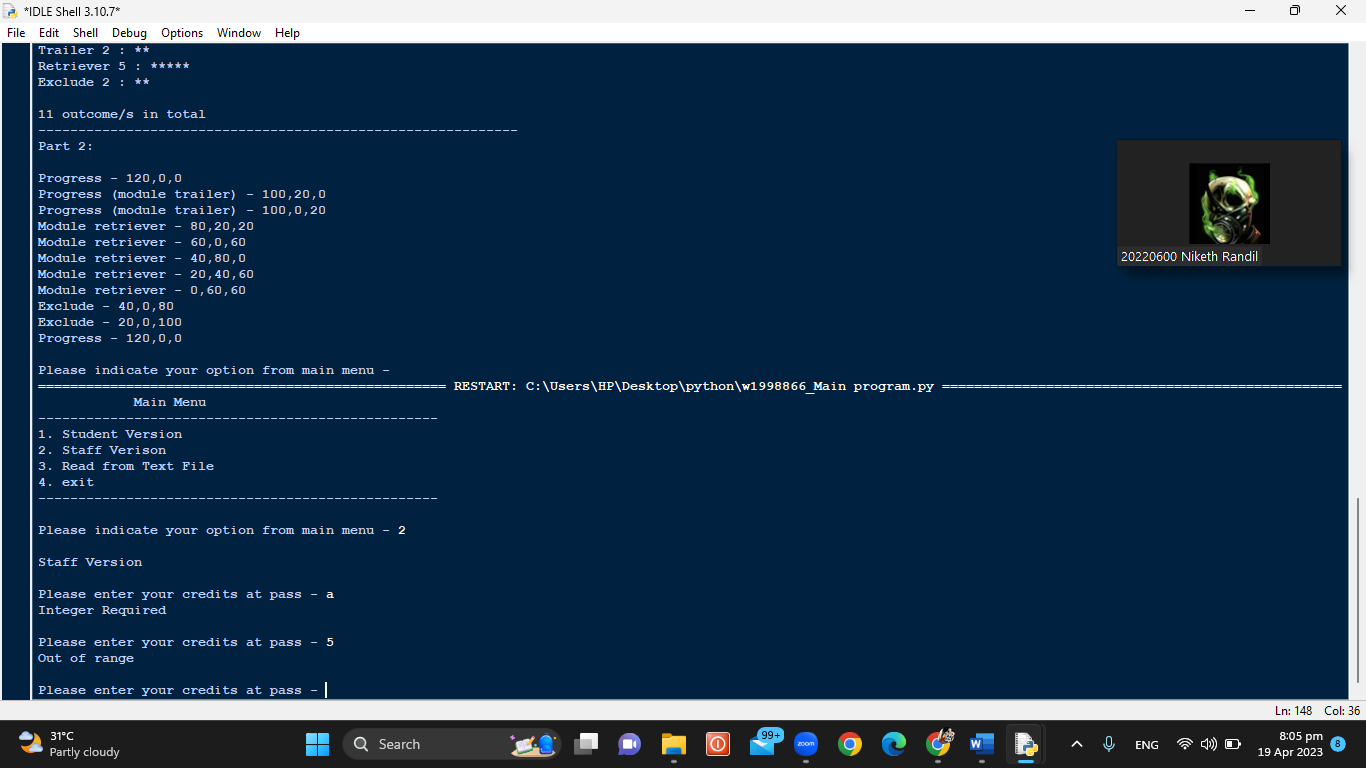


Figure - Test No 5.2

A screenshot of a computer

Description automatically generated

Figure - Test No 5.3

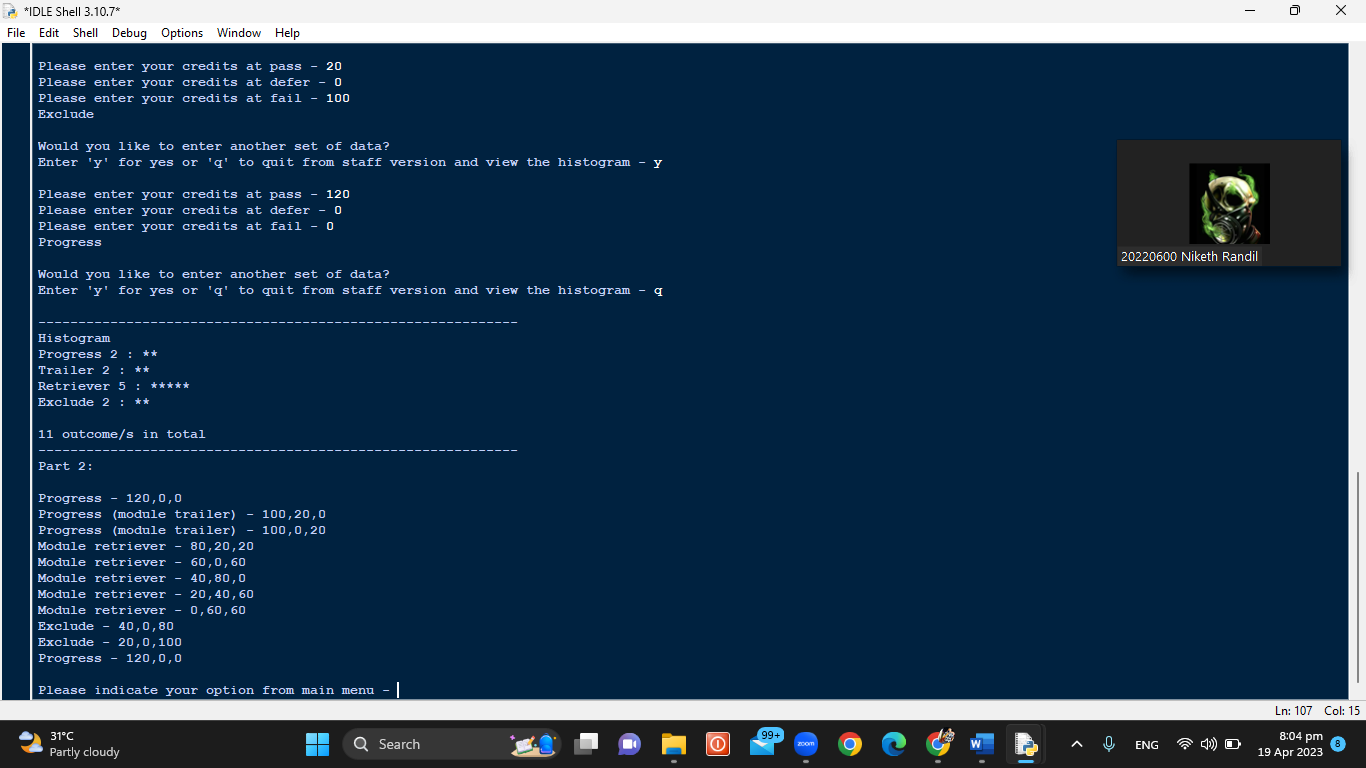


Figure - Test No 7.1 / 7.2