

# QUIZ 1

COMP9021 PRINCIPLES OF PROGRAMMING

## SAMPLE OUTPUTS

```
$ python3 quiz_1.py
Enter an integer: 0
The generated list is: [11, 2, 8, 11, 6, 2, 3, 0, 7, 12]
The length of the longest strictly increasing sequence is: 3
The smallest most frequent element in the sequence is: 2
$ python3 quiz_1.py
Enter an integer: 1
The generated list is: [15, 15, 1, 3, 13, 12, 9, 0, 1, 0]
The length of the longest strictly increasing sequence is: 3
The smallest most frequent element in the sequence is: 0
$ python3 quiz_1.py
Enter an integer: 2
The generated list is: [17, 20, 10, 7, 1, 10, 11, 20, 6, 10]
The length of the longest strictly increasing sequence is: 4
The smallest most frequent element in the sequence is: 10
$ python3 quiz_1.py
Enter an integer: 33
The generated list is: [14, 13, 12, 19, 5, 6, 9, 15, 19, 16]
The length of the longest strictly increasing sequence is: 5
The smallest most frequent element in the sequence is: 19
$ python3 quiz_1.py
Enter an integer: 857
The generated list is: [2, 14, 8, 0, 4, 10, 14, 15, 20, 19]
The length of the longest strictly increasing sequence is: 6
The smallest most frequent element in the sequence is: 14
$ python3 quiz_1.py
Enter an integer: 14448
The generated list is: [1, 10, 1, 2, 8, 12, 14, 15, 16, 4]
The length of the longest strictly increasing sequence is: 7
The smallest most frequent element in the sequence is: 1
```