QUIZ 3

COMP9021 PRINCIPLES OF PROGRAMMING

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$ python quiz_3.py
Enter three integers: 0 3 4
L_1 is: [3, 3, 0, 2]
The length of the longest increasing sequence
  of members of L_1, possibly wrapping around, is: 4.

L_2 is: [3, 3, 2, 3]
The maximum integer built from L_2 by jumping
  as directed by its members, from some starting member
  and not using any member more than once, is: 33
$ python3 quiz_3.py
Enter three integers: 0 10 5
L_1 is: [6, 6, 0, 4, 8]
The length of the longest increasing sequence
  of members of L_1, possibly wrapping around, is: 3.

L_2 is: [3, 3, 2, 3, 2]
The maximum integer built from L_2 by jumping
  as directed by its members, from some starting member
  and not using any member more than once, is: 33
$ python quiz_3.py
Enter three integers: 1 9 6
L_1 is: [2, 9, 1, 4, 1, 7]
The length of the longest increasing sequence
  of members of L_1, possibly wrapping around, is: 2.

L_2 is: [3, 3, 5, 3, 1, 0]
The maximum integer built from L_2 by jumping
  as directed by its members, from some starting member
  and not using any member more than once, is: 5033
$ python3 quiz_3.py
Enter three integers: 1 8 7
L_1 is: [2, 1, 4, 1, 7, 7, 7]
The length of the longest increasing sequence
  of members of L_1, possibly wrapping around, is: 4.

L_2 is: [5, 3, 6, 1, 0, 3, 0]
The maximum integer built from L_2 by jumping
  as directed by its members, from some starting member
  and not using any member more than once, is: 605313
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Date: Trimester 1, 2019.

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$ python3 quiz_3.py
Enter three integers: 0 6 10
L_1 is: [6, 3, 6, 3, 0, 2, 4, 3, 3, 6]
The length of the longest increasing sequence
  of members of L_1, possibly wrapping around, is: 4.

L_2 is: [4, 7, 5, 9, 3, 8, 2, 4, 2, 1]
The maximum integer built from L_2 by jumping
  as directed by its members, from some starting member
  and not using any member more than once, is: 439174
$ python3 quiz_3.py
Enter three integers: 2 4 10
L_1 is: [0, 0, 0, 2, 1, 2, 2, 4, 1, 4]
The length of the longest increasing sequence
  of members of L_1, possibly wrapping around, is: 4.

L_2 is: [0, 9, 2, 6, 6, 8, 5, 8, 7, 8]
The maximum integer built from L_2 by jumping
  as directed by its members, from some starting member
  and not using any member more than once, is: 65878
$ python3 quiz_3.py
Enter three integers: 0 8 20
L_1 is: [6, 6, 0, 4, 8, 7, 6, 4, 7, 5, 3, 8, 2, 4, 2, 1, 4, 8, 2, 4]
The length of the longest increasing sequence
  of members of L_1, possibly wrapping around, is: 4.

L_2 is: [3, 2, 10, 15, 17, 3, 11, 13, 10, 19, 6, 17, 15, 14, 16, 8, 1, 17, 0, 2]
The maximum integer built from L_2 by jumping
  as directed by its members, from some starting member
  and not using any member more than once, is: 13141612106111717
$ python3 quiz_3.py
Enter three integers: 0 2 25
L_1 is: [1, 1, 0, 1, 2, 1, 1, 1, 1, 1, 2, 0, 2, 0, 1, 0, 0, 2, 1, 2, 2, 2, 0, 1, 0]
The length of the longest increasing sequence
  of members of L_1, possibly wrapping around, is: 6.

L_2 is: [23, 2, 21, 10, 15, 17, 3, 11, 13, 10, 19, 20, 6, 17, 15, 14, 16, 8, 1,...
                                                                  ...17, 0, 2, 23, 12, 22]
The maximum integer built from L_2 by jumping
  as directed by its members, from some starting member
  and not using any member more than once, is: 1120023126310191781317
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