# QUIZ 1

COMP9021 PRINCIPLES OF PROGRAMMING

```
$ python3 quiz_1.py
Enter two integers, the second one being strictly positive: 0 7
Here are the generated digits: [6, 6, 0, 4, 8, 7, 6]

The integer made from these digits is: 6604876

Here is the greedy increasing subsequence of values, horizontally displayed:

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Here are the nonzero values, displayed as stairs:

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$ python3 quiz_1.py
Enter two integers, the second one being strictly positive: 20 8
Here are the generated digits: [2, 4, 1, 5, 9, 2, 0, 6]

The integer made from these digits is: 24159206

Here is the greedy increasing subsequence of values, horizontally displayed:

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Here are the nonzero values, displayed as stairs:

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```

*Date*: Trimester 1, 2021.

```
$ python3 quiz_1.py
Enter two integers, the second one being strictly positive: 55 11
Here are the generated digits: [1, 3, 2, 4, 1, 2, 4, 1, 5, 7, 8]

The integer made from these digits is: 13241241578

Here is the greedy increasing subsequence of values, horizontally displayed:

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Here are the nonzero values, displayed as stairs:

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$ python3 quiz_1.py
Enter two integers, the second one being strictly positive: 104 5
Here are the generated digits: [0, 3, 3, 6, 5]

The integer made from these digits is: 3365

Here is the greedy increasing subsequence of values, horizontally displayed:

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Here are the nonzero values, displayed as stairs:

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```

```
$ python3 quiz_1.py
Enter two integers, the second one being strictly positive: 165 10
Here are the generated digits: [0, 0, 6, 1, 7, 3, 2, 6, 5, 9]

The integer made from these digits is: 61732659

Here is the greedy increasing subsequence of values, horizontally displayed:

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Here are the nonzero values, displayed as stairs:

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$ python3 quiz_1.py
Enter two integers, the second one being strictly positive: 321 12
Here are the generated digits: [4, 6, 2, 5, 8, 7, 5, 3, 9, 7, 6, 6]

The integer made from these digits is: 462587539766

Here is the greedy increasing subsequence of values, horizontally displayed:

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Here are the nonzero values, displayed as stairs:

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```