

Coding Quiz 4

COMP9021 PRINCIPLES OF PROGRAMMING Term 3, 2021

\$ python3 quiz_4.py

Input either a strictly positive integer
or a nonempty list of strictly positive integers: 1
In base 2, 1 reads as 1
Incorrect encoding!

\$ python3 quiz_4.py

Input either a strictly positive integer
or a nonempty list of strictly positive integers: 12345
In base 2, 12345 reads as 11000000111001
Incorrect encoding!

\$ python3 quiz_4.py

Input either a strictly positive integer
or a nonempty list of strictly positive integers: 3
In base 2, 3 reads as 11
It encodes: [1]

\$ python3 quiz_4.py

Input either a strictly positive integer
or a nonempty list of strictly positive integers: [1]
In base 2, [1] reads as [1]
It is encoded by 3

\$ python3 quiz_4.py

Input either a strictly positive integer
or a nonempty list of strictly positive integers: 51315663
In base 2, 51315663 reads as 11000011110000001111001111
It encodes: [4891]

\$ python3 quiz_4.py

Input either a strictly positive integer
or a nonempty list of strictly positive integers: [4891]
In base 2, [4891] reads as [1001100011011]
It is encoded by 51315663

\$ python3 quiz_4.py

Input either a strictly positive integer
or a nonempty list of strictly positive integers: 424896
In base 2, 424896 reads as 1100111101111000000
It encodes: [11, 24]

\$ python3 quiz_4.py

Input either a strictly positive integer

or a nonempty list of strictly positive integers: [11, 24]

In base 2, [11, 24] reads as [1011, 11000]

It is encoded by 424896

\$ python3 quiz_4.py

Input either a strictly positive integer

or a nonempty list of strictly positive integers: 857310204

In base 2, 857310204 reads as 110011000110011000001111111100

It encodes: [10, 20, 30]

\$ python3 quiz_4.py

Input either a strictly positive integer

or a nonempty list of strictly positive integers: [10, 20, 30]

In base 2, [10, 20, 30] reads as [1010, 10100, 11110]

It is encoded by 857310204

\$ python3 quiz_4.py

Input either a strictly positive integer

or a nonempty list of strictly positive integers: 13609683913728

In base 2, 13609683913728 reads as 11000110000011000000011000000000110000000000

It encodes: [2, 4, 8, 16, 32]

\$ python3 quiz_4.py

Input either a strictly positive integer

or a nonempty list of strictly positive integers: [2, 4, 8, 16, 32]

In base 2, [2, 4, 8, 16, 32] reads as [10, 100, 1000, 10000, 100000]

It is encoded by 13609683913728