QUIZ 2

COMP9021 PRINCIPLES OF PROGRAMMING

Sample outputs

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$ python3 quiz_2.py
Input a strictly positive integer: 3
This encodes:  [1]
Checking:
  In base 2, 3 is 11
  In base 2, [1] is: [1]
$ python3 quiz_2.py
Input a strictly positive integer: 51315663
This encodes:  [4891]
Checking:
  In base 2, 51315663 is 11000011110000001111001111
  In base 2, [4891] is: [1001100011011]
$ python3 quiz_2.py
Input a strictly positive integer: 424896
This encodes:  [11, 24]
Checking:
  In base 2, 424896 is 1100111101111000000
  In base 2, [11, 24] is: [1011, 11000]
$ python3 quiz_2.py
Input a strictly positive integer: 857310204
This encodes:  [10, 20, 30]
Checking:
  In base 2, 857310204 is 110011000110011000001111111100
  In base 2, [10, 20, 30] is: [1010, 10100, 11110]
$ python3 quiz_2.py
Input a strictly positive integer: 13609683913728
This encodes:  [2, 4, 8, 16, 32]
Checking:
  In base 2, 13609683913728 is 11000110000011000000011000000000110000000000
  In base 2, [2, 4, 8, 16, 32] is: [10, 100, 1000, 10000, 100000]
$ python3 quiz_2.py
Input a strictly positive integer: 11
Incorrect encoding!
$ python3 quiz_2.py
Input a strictly positive integer: 12345
Incorrect encoding!
```

Date: Session 1, 2016.