QUIZ 7

COMP9021 PRINCIPLES OF PROGRAMMING

```
$ python3
...
>>> from quiz_7 import *
>>> [centrifuge(6, k) for k in range(7)]
[True, False, True, True, True, False, True]
>>> [centrifuge(7, k) for k in range(8)]
[True, False, False, False, False, False, False, True]
>>> [centrifuge(8, k) for k in range(9)]
[True, False, True, False, True, False, True, False, True]
>>> [centrifuge(9, k) for k in range(10)]
[True, False, False, True, False, False, True, False, False, True]
>>> [centrifuge(10, k) for k in range(11)]
[True, False, True, False, True, True, True, False, True, False, True]
>>> [centrifuge(12, k) for k in range(13)]
[True, False, True, True, True, True, True, True, True, True, True, False, True]
>>> [k for k in range(22) if centrifuge(21, k)]
[0, 3, 6, 7, 9, 12, 14, 15, 18, 21]
>>> [k for k in range(1234 + 1) if centrifuge(1234, k) and k % 2]
[617]
>>> centrifuge(1234567, 54321)
False
```