QUIZ 2

COMP9021 PRINCIPLES OF PROGRAMMING

For clarifications on expected outputs, see Ed or program stub.

```
$ python3 quiz_2.py
Enter two strictly positive integers: 12300 123

12300 / 123 has a finite expansion
12300 / 123 = 100
$ python3 quiz_2.py
Enter two strictly positive integers: 12356 1024

12356 / 1024 has a finite expansion
12356 / 1024 = 12.06640625
$ python3 quiz_2.py
Enter two strictly positive integers: 30 50

30 / 50 has a finite expansion
30 / 50 = 0.6
$ python3 quiz_2.py
Enter two strictly positive integers: 1 3

1 / 3 has no finite expansion
1 / 3 = 0.(3)*
$ python3 quiz_2.py
Enter two strictly positive integers: 1 90

1 / 90 has no finite expansion
1 / 90 = 0.0(1)*
$ python3 quiz_2.py
Enter two strictly positive integers: 9 90

9 / 90 has a finite expansion
9 / 90 = 0.1
$ python3 quiz_2.py
Enter two strictly positive integers: 90 90

90 / 90 has a finite expansion
90 / 90 = 1
```

Date: Session 1, 2018.

```
$ python3 quiz_2.py
Enter two strictly positive integers: 23882 99900

23882 / 99900 has no finite expansion
23882 / 99900 = 0.23(905)*
$ python3 quiz_2.py
Enter two strictly positive integers: 1233 9990

1233 / 9990 has no finite expansion
1233 / 9990 = 0.1(234)*
$ python3 quiz_2.py
Enter two strictly positive integers: 2107 9000

2107 / 9000 has no finite expansion
2107 / 9000 = 0.234(1)*
$ python3 quiz_2.py
Enter two strictly positive integers: 97 99000

97 / 99000 has no finite expansion
97 / 99000 = 0.000(97)*
$ python3 quiz_2.py
Enter two strictly positive integers: 96903 99900

96903 / 99900 has a finite expansion
96903 / 99900 = 0.97
$ python3 quiz_2.py
Enter two strictly positive integers: 1234541976 99999900000

1234541976 / 99999900000 has no finite expansion
1234541976 / 99999900000 = 0.01234(543210)*
```