

PYTHON

FRACTION_BRØK

Link til side med eksempler!

<https://www.tutorialspoint.com/fraction-module-in-python>

Eksempler:

```
from fractions import Fraction
decimals = [0.25, 0.5, 1.25, 3, 0.6, 0.84]

for d in decimals:
    print(Fraction(str(d))) #Cast as string for proper fraction
```

```
from decimal import Decimal
decimals = [0.25, 0.5, 1.25, 3, 0.6, 0.84]

for d in decimals:
    d = Decimal(str(d)) #Cast as string for proper fraction
    nominator,denominator = d.as_integer_ratio()
    if denominator==1:
        print(d)
    else:
        print(nominator,denominator, sep="/")
```

```
Execute | Beautify | Share | Source Code | Help
1 from fractions import Fraction as frac
2 print(frac(45, 54))
3 print(frac(12, 47))
4 print(frac(0, 15))
```

Terminal

```
5/6
12/47
0
```

```
Execute | Beautify | Share | Source Code | Help
1 from fractions import Fraction as frac
2 print(frac(33.33))
3 print(frac('33.33'))
```

Terminal

```
2345390243441541/70368744177664
3333/100
```

```
Execute | Beautify | Share | Source Code | Help
1 from fractions import Fraction as frac
2 print(frac('3.14159265359'))
3 print(frac('3.14159265359').limit_denominator(1000))
4 print(frac('3.14159265359').limit_denominator(100))
5 print(frac('3.14159265359').limit_denominator(10))
6 print(frac('36.25'))
7 print(frac('36.25').numerator)
8 print(frac('36.25').denominator)
```

Terminal

```
314159265359/100000000000
355/113
311/99
22/7
145/4
145
4
```