

Python 3.11.1 (tags/v3.11.1:a7a450f, Dec 6 2022, 19:58:39) [MSC v.1934 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

```
import math
```

```
math.pi
```

```
3.141592653589793
```

```
import math as m
```

```
m.pi
```

```
3.141592653589793
```

```
math.exp
```

```
<built-in function exp>
```

```
math.exp(0)
```

```
1.0
```

```
math.exp(1)
```

```
2.718281828459045
```

```
math.factorial(5)
```

```
120
```

```
math.log(2)
```

```
0.6931471805599453
```

```
math.log10(2)
```

```
0.3010299956639812
```

```
math.pow(2,3)
```

```
8.0
```

```
math.remainder(10,20)
```

```
10.0
```

```
math.remainder(10,2)
```

```
0.0
```

```
math.sqrt(3)
```

```
1.7320508075688772
```

```
math.sqrt(25)
```

```
5.0
```

```
math.ceil(5.2)
```

```
6
```

```
math.ceil(5.25)
```

```
6
```

```
math.floor(4.2)
```

```
4
```

```
math.trunc(10.23)
```

```
10
```

```
math.trunc(10.6)
```

```
10
```

```
math.isfinite(10/0)
Traceback (most recent call last):
  File "<pyshell#20>", line 1, in <module>
    math.isfinite(10/0)
ZeroDivisionError: division by zero
>>> math.isfinite(10/2)
True
>>> math.isnan("surya")
Traceback (most recent call last):
  File "<pyshell#22>", line 1, in <module>
    math.isnan("surya")
TypeError: must be real number, not str
>>> math.isnan(12)
False
>>> round(2.34,2)
2.34
>>> round(2.34,1)
2.3
>>> round(2.56,1)
2.6
```