## Math

*Built in mathematics Function*

```
# abs

abs(2.5)
```

```
2.5
```

```
abs(-2.5)
```

```
2.5
```

*Max, Min*

```
max(2, 4)
```

```
4
```

```
max(2, 5, 6, 9)
```

```
9
```

```
min(-2, -4)
```

```
-4
```

```
print(min(-1, -3))
```

```
-3
```

```
# x % 10 will give last digit of number x

x = 142356

x % 10
```

```
6
```

*Sum*

```
print(list(range(1, 100)))
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,
20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36,
37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53,
54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70,
71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87,
88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99]
```

```
print(list(range(1, 101)))
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,
20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36,
37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53,
54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70,
71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87,
88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100]
```

```
sum(range(1, 101))
```

```
5050
```

*log function*

```
# import a library
import math
```

```
math.log2(8)
```

```
3.0
```

```
math.log2(16)
```

```
4.0
```

```
math.log2(15)
```

```
3.9068905956085187
```

```
int(math.log2(15))
```

```
3
```

```
3.75 / 2
```

```
1.875
```

```
1.875 / 2
```

```
0.9375
```