



# Mathematical Functions (math Module)

A Module is collection of functions, variables and classes etc.

math is a module that contains several functions to perform mathematical operations

If we want to use any module in Python, first we have to import that module.

```
import math
```

Once we import a module then we can call any function of that module.

```
import math
print(math.sqrt(16))
print(math.pi)
```

```
4.0
3.141592653589793
```

We can create alias name by using as keyword.

```
import math as m
```

Once we create alias name, by using that we can access functions and variables of that module

```
import math as m
print(m.sqrt(16))
print(m.pi)
```

We can import a particular member of a module explicitly as follows

```
from math import sqrt
from math import sqrt, pi
```

If we import a member explicitly then it is not required to use module name while accessing.

```
from math import sqrt, pi
print(sqrt(16))
print(pi)
print(math.pi) → NameError: name 'math' is not defined
```