

Python Number sin() Method

Description

Python number method **sin()** returns the sine of x, in radians.

Syntax

Following is the syntax for **sin()** method –

```
sin(x)
```

Note – This function is not accessible directly, so we need to import math module and then we need to call this function using math static object.

Parameters

- **x** – This must be a numeric value.

Return Value

This method returns a numeric value between -1 and 1, which represents the sine of the parameter x.

Example

The following example shows the usage of sin() method.

```
#!/usr/bin/python
import math

print "sin(3) : ", math.sin(3)
print "sin(-3) : ", math.sin(-3)
print "sin(0) : ", math.sin(0)
print "sin(math.pi) : ", math.sin(math.pi)
print "sin(math.pi/2) : ", math.sin(math.pi/2)
```

Live
Demo

When we run above program, it produces following result –

```
sin(3) : 0.14112000806  
sin(-3) : -0.14112000806  
sin(0) : 0.0  
sin(math.pi) : 1.22464679915e-16  
sin(math.pi/2) : 1.0
```