**Explain the following methods in maths module with an example**

**- sqrt**

**-pow**

**-factorial**

**-floor**

**-ceil**

**-pi**

1. **math.sqrt(x)**

Return the square root of x.

E. g:

import math

print('Square root of',144,':',math.sqrt(144))



1. **math.pow(x,y)**

Returns the x raised to y power.

raises value error if x not integer or is negative value

E. g:

import math

print('3rd power of 5:',math.pow(5,3))



1. **math.factorial(x)**

Returns the factorial of x.

E. g:

import math

print('Factorial of 5:',math.factorial(5))



1. **math.floor(x)**

Returns the floor of x,the largest integer less than or equal to x.

if xis not float it will return as it is.

E. g:

import math

print('Floor Value of 3.245:',math.floor(3.245))



1. **math.ceil(x)**

Return the ceiling of x, the smallest integer greater than or equal to x.

E. g:

import math

print('Ceil Value of 3.245:',math.ceil(3.245))



1. **math.pi**

Returns the constant value of pi i.e 3.14

E. g:

import math

print('Value of Pi:-',math.pi)

