23/07/2025
Wednesday

++ and -- operators demo program

```
a = 25
print(++a) # +(+25) = +25 = 25
print(a++) # (25+)+ = 25+ throws Error
print(a++1) # (a+)+1 = (25+)+1 = 25+1 = 26
print(--a) # -(-a) = +a = 25
print(a--) # (a-)- = a+ = 25+ throws error
print(a--1) # (a-)-1 = a+1 = 26
print(-a) # -25
print(+-a) # +(-a) = -25
print(-+a) # -(+a) = -25
```

Semicolon demo program

```
print('One'); # One
print('Two'); # Two
print('Three'); # Three
print('Hyd'); # Hyd
print('Sec'); # Sec
print('Cyb') # Error NoSemicolon
```

Floor() and Ceil() functions demo progocon

```
import math
print(math.floor(10.2)) # 10
print(math.ceil(10.8)) # 11
print(math.floor(25.0)) #25
print(math.ceil(25.0)) #25
print(math.floor(-3.5)) #-4
print(math.ceil(-3.5)) #-3
print(math.floor(-9.0)) # 9
print(math.ceil(-9.0)) #9
print(math.floor(25.1)) #25
```

```
print(math.ceil(25.1)) # 26
print(floor(3.5))  Error   No math module
print(Ceil(35))    Error   No math module
```

gcd() function demo program

```
import math
print(math.gcd(12,15)) # 3
print(math.gcd(12,18)) # 6
print(math.gcd(4,7)) # 1
print(math.gcd(7,7)) # 7
print(math.gcd(-18,-27)) # 9
print(math.gcd(-4,6)) # 2
print(math.gcd(0,7)) # 7
print(math.gcd(3,0)) # 3
print(math.gcd(0,0)) # 0
print(gcd(5,15)) Error No math module
```

abs() function demo program

(+ve) → same value
(-ve) → +ve float

```
from builtin import abs
print(abs(-35.8)) # 35.8
print(abs(-27)) # 27.
print(abs(29.5)) # 29.5
print(abs(32)) # 32
import builtins
print(builtins.abs(-25)) # 25
```

```
# max() min() functions demo program
# from builtins import max, min
print(max(10.9, 20.6)) # 20.6
print(min(10.9, 20.6, 5.9, 12.3)) # 5.9
print(max(25, 10.8)) # 25

import builtins
print(builtins.max(10, 20, 30)) # 30
print(builtins.min(10, 20, 15, 5, 12)) # 5
```

```
# pow() function demo program
from builtins import pow
print(pow(10, -2)) # 10^-2 => 1/10^2 => 0.01
print(pow(4, pow(3, -2))) => pow(4, (3^-2)) = 4^9 =>

import builtins
print(builtins.pow(2, -3)) #
print(builtins.pow(2, 3)) # 8
#
```

Find Outputs

How to import kwlist

How to print kwlist

How to print Numbers of keywords