IDLE Shell 3.8.10

File Edit Shell Debug Options Window Help

```
Python 3.8.10 (tags/v3.8.10:3d8993a, May  3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more informati
>>>
========== RESTART: C:/Users/Darshan/Pyth lvl1.py ==========
Enter numbers separated by commas (-1 to stop): 6,-7,9,-4,-3,-1
avg negative number is -5
avg positive number is 7
>>>
```

Pyth lvl1.py - C:/Users/Darshan/Pyth lvl1.py (3.8.10)

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```
1.data = input("Enter numbers separated by commas (-1 to stop): ")
numbers = [int(x) for x in data.split(',')]

positive_sum = 0
positive_count = 0
negative_sum = 0
negative_count = 0

for num in numbers:
    if num == -1:
        break
    if num > 0:
        positive_sum += num
        positive_count += 1
    elif num < 0:
        negative_sum += num
        negative_count += 1

print("avg negative number is", negative_sum // negative_count)
print("avg positive number is", positive_sum // positive_count)
```

Ln: 1 Col: 2

Ln: 8 Col: 4

IDLE Shell 3.8.10

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```
Python 3.8.10 (tags/v3.8.10:3d8993a, May  3 2021,
Type "help", "copyright", "credits" or "license()"
>>>
==========
Given Number: 0.6
Square Number: 0.36
Cube Number: 0.216
>>>
```

lvl Que 2.py - C:/Users/Darshan/lvl Que 2.py (3.8.10)

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```
2.num = float(input("Given Number: "))

square = num ** 2
cube = num ** 3

print("Square Number:", round(square, 3))
print("Cube Number:", round(cube, 3))
```

Ln: 1 Col: 2

Ln: 8 Col: 4

IDLE Shell 3.8.10

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```
Python 3.8.10 (tags/v3.8.10:3d8993a, May  3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/Darshan/lvl que3.py ==========
Enter the Character to be printed: *
Number of rows: 5
*
* *
* * *
* * * *
* * * * *
>>>
```

lvl que3.py - C:/Users/Darshan/lvl que3.py (3.8.10)

File Edit Format Run Options Window Help

```
3.char = input("Enter the Character to be printed: ")
rows = int(input("Number of rows: "))

for i in range(1, rows + 1):
    print((char + ' ') * i)
```

Ln: 1 Col: 2

Ln: 12 Col: 4

IDLE Shell 3.8.10

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```
Python 3.8.10 (tags/v3.8.10:3d8993a, May  3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==========
Enter the number (A): 5
Enter the range (B): 5
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
>>>
```

lvl que4.py - C:/Users/Darshan/lvl que4.py (3.8.10)

File Edit Format Run Options Window Help

```
4.A = int(input("Enter the number (A): "))
B = int(input("Enter the range (B): "))

for i in range(1, B + 1):
    print(f"{A} x {i} = {A * i}")
```

Ln: 1 Col: 2

Ln: 12 Col: 4

IDLE Shell 3.8.10

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```
Python 3.8.10 (tags/v3.8.10:3d8993a, May  3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/Darshan/lvl que 5.py ==========
Enter a year: 2006
Not a Leap Year
>>>
```

lvl que 5.py - C:/Users/Darshan/lvl que 5.py (3.8.10)

File Edit Format Run Options Window Help

```
5.year = int(input("Enter a year: "))

if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
    print("Leap Year")
else:
    print("Not a Leap Year")
```

Ln: 1 Col: 2

Ln: 7 Col: 4

29°C Light rain

Search

ENG IN

12:20 15-10-2025

IDLE Shell 3.8.10

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```
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Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/Darshan/lvl que 6.py ==========
duplicate array = [1, 2, 3, 4]
>>>
```

lvl que 6.py - C:/Users/Darshan/lvl que 6.py (3.8.10)

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```
6.array = [1, 2, 3, 4, 1]

unique_array = list(set(array))

unique_array.sort()

print("duplicate array =", unique_array)
```

Ln: 1 Col: 2

Ln: 6 Col: 4

29°C Light rain

Search

ENG IN

12:24 15-10-2025

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```
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Type "help", "copyright", "credits" or "license()" for more informa
>>>
========== RESTART: C:/Users/Darshan/lvl que 7.py ==========
positive
>>>
```

lvl que 7.py - C:/Users/Darshan/lvl que 7.py (3.8.10)

File Edit Format Run Options Window Help

```
7.num = 23

if num > 0:
    print("positive")
elif num < 0:
    print("negative")
else:
    print("zero")
```

Ln: 1 Col: 2

Ln: 6 Col: 4

IDLE Shell 3.8.10

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```
Python 3.8.10 (tags/v3.8.10:3d8993a, May  3 2021, 11:48:03) [MSC v.1928 64
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/Darshan/lvl que 8.py ==========
36
>>>
```

lvl que 8.py - C:/Users/Darshan/lvl que 8.py (3.8.10)

File Edit Format Run Options Window Help

```
8.import statistics

data = [12, 45, 83, 52]

mean = statistics.mean(data)
median = statistics.median(data)
mode = statistics.mode(data)

average = (mean + median + mode) / 3

print(int(average))
```

Ln: 1 Col: 2

Ln: 6 Col: 4

1 cm of rain
Saturday

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ENG
IN

12:31
15-10-2025

IDLE Shell 3.8.10

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```
Python 3.8.10 (tags/v3.8.10:3d8993a, May  3 2021, 11:48:03) [MSC
Type "help", "copyright", "credits" or "license()" for more info
>>>
========== RESTART: C:/Users/Darshan/lvl que 9.py ==========
[8, 4, 3, 1, 0]
>>>
```

lvl que 9.py - C:/Users/Darshan/lvl que 9.py (3.8.10)

File Edit Format Run Options Window Help

```
9.arr = [1, 8, 3, 4, 0]

arr.sort(reverse=True)

print(arr)
```

Ln: 1 Col: 2

Ln: 6 Col: 4

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IN

12:33
15-10-2025

IDLE Shell 3.8.10

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```
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Type "help", "copyright", "credits" or "license()" for mor
>>>
==========
(3, 4)
>>>
```

lvl que 10.py - C:/Users/Darshan/lvl que 10.py (3.8.10)

File Edit Format Run Options Window Help

```
10.a = (2, 3, 4, 5)
b = (3, 4, 8, 6)

result = tuple(set(a) & set(b))

print(result)
```

Ln: 1 Col: 3

Ln: 6 Col: 4