File Edit Shell Debug Options Window Help

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\Admin\Desktop\python pros\list large 1.py =========
Enter integer to the list:
10
Is this the last element?(y/n):
n
52
Is this the last element?(y/n):
n
36
Is this the last element?(y/n):
y
List: [10, 52, 36]
Largest value in list l is: 52
>>>
```

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```
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>>>
=========== RESTART: C:\Users\Admin\Desktop\python pros\duplilist.py ===========
Duplicated list: [20, 20, 10, 30, 30]
Deduplicated list: [20, 10, 30]
>>>
```

File Edit Shell Debug Options Window Help

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========= RESTART: C:\Users\Admin\Desktop\python pros\tuple to dict.py =========
Tuple: (('Rajesh', 75), ('Arjun', 80), ('Thomas', 60))
dictionary: {'Rajesh': 75, 'Arjun': 80, 'Thomas': 60}
>>>
```

```
IDLE Shell 3.10.1

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    Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    ========== RESTART: C:\Users\Admin\Desktop\python pros\mergedict.py ==========
    {'a': 1, 'b': 2, 'c': 3}
    {'d': 4, 'e': 5, 'f': 6}
    {'a': 1, 'b': 2, 'c': 3, 'd': 4, 'e': 5, 'f': 6}
>>>
```

```
IDLE Shell 3.10.1

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    Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    ========== RESTART: C:\Users\Admin\Desktop\python pros\list common.py ==========
    True
>>>
```

```
IDLE Shell 3.10.1

File   Edit   Shell   Debug   Options   Window   Help

    Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    ========= RESTART: C:\Users\Admin\Desktop\python pros\date earlier.py =========
    Earlier date is: 2025-04-24
>>>
```

File   Edit   Shell   Debug   Options   Window   Help

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Admin\Desktop\python pros\subtract days from given date.py =
2025-10-03
>>>
```

file1 - Notepad

File   Edit   Format   View   Help

```
hello guys
how do you do?
i am doing well
going through tough days....
```

file2 - Notepad

File   Edit   Format   View   Help

```
hello guys
how do you do?
i am doing well
going through tough days....
```

file1 - Notepad

File   Edit   Format   View   Help

```
HELLO GUYS
HOW DO YOU DO?
I AM DOING WELL
GOING THROUGH TOUGH DAYS...
```

file2 - Notepad

File   Edit   Format   View   Help

```
HELLO GUYS
HOW DO YOU DO?
I AM DOING WELL
GOING THROUGH TOUGH DAYS...
```

file 3 - Notepad

File   Edit   Format   View   Help

```
Python is a powerful programming language
I enjoy learning python
```

file 3 - Notepad

File   Edit   Format   View   Help

```
C is a powerful programming language
I enjoy learning C
```

IDLE Shell 3.10.1

File   Edit   Shell   Debug   Options   Window   Help

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Admin\Desktop\python pros\count lines in a file.py =====
Number of lines: 4
>>>
```

IDLE Shell 3.10.1

File   Edit   Shell   Debug   Options   Window   Help

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Admin\Desktop\python pros\Retrieve Lines Having Two Consecutive 1's.py
['hello guys', 'i am doing well']
Lines containing two consecutive 'l's:
hello guys
i am doing well
>>>
```

File Edit Shell Debug Options Window Help

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: C:\Users\Admin\Desktop\python pros\matrix operations.py =======
Matrix 1=
 [[1 2 3]
 [1 1 1]
 [1 1 1]]
Matrix 2=
 [[1 0 0]
 [0 1 0]
 [0 0 1]]
Matrix 1 + Matrix 2=
 [[2 2 3]
 [1 2 1]
 [1 1 2]]
Matrix 1 - Matrix 2=
 [[0 2 3]
 [1 0 1]
 [1 1 0]]
Matrix 1 * Matrix 2=
 [[1 2 3]
 [1 1 1]
 [1 1 1]]
2 * Matrix 1=
 [[2 4 6]
 [2 2 2]
 [2 2 2]]
Transpose of Matrix 1=
 [[1 1 1]
 [2 1 1]
 [3 1 1]]
>>>
```

File Edit Shell Debug Options Window Help

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Admin\Desktop\python pros\matrix transformations.py ====
[[1 0 1]
 [0 1 1]
 [0 0 1]]
[[ 0.8660254 -0.5        0.        ]
 [ 0.5        0.8660254  0.        ]
 [ 0.         0.         1.        ]]
[[2 0 0]
 [0 2 0]
 [0 0 1]]
>>>
```

File   Edit   Shell   Debug   Options   Window   Help

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:\Users\Admin\Desktop\python pros\matrix transformations2.py ====
[[1 0 0 1]
 [0 1 0 1]
 [0 0 1 0]
 [0 0 0 1]]
[[ 1.          0.          0.          0.        ]
 [ 0.          0.8660254  -0.5         0.        ]
 [ 0.          0.5         0.8660254   0.        ]
 [ 0.          0.          0.          1.        ]]
[[2 0 0 0]
 [0 2 0 0]
 [0 0 0 0]
 [0 0 0 1]]
>>>
```

File   Edit   Shell   Debug   Options   Window   Help

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
============== RESTART: C:\Users\Admin\Desktop\python pros\svd.py ==============
[[1 2 3]
 [4 5 6]
 [7 8 9]]
[[-0.21483724  0.88723069  0.40824829]
 [-0.52058739  0.24964395 -0.81649658]
 [-0.82633754 -0.38794278  0.40824829]]
[1.68481034e+01 1.06836951e+00 4.41842475e-16]
[[-0.47967118 -0.57236779 -0.66506441]
 [-0.77669099 -0.07568647  0.62531805]
 [-0.40824829  0.81649658 -0.40824829]]
[[1.68481034e+01 0.00000000e+00 0.00000000e+00]
 [0.00000000e+00 1.06836951e+00 0.00000000e+00]
 [0.00000000e+00 0.00000000e+00 4.41842475e-16]]
[[1. 2. 3.]
 [4. 5. 6.]
 [7. 8. 9.]]
>>>
```

histogram of result

no of students

marks

histogram

Frequency

petal length

Scatter Plot

Scatter Plot