

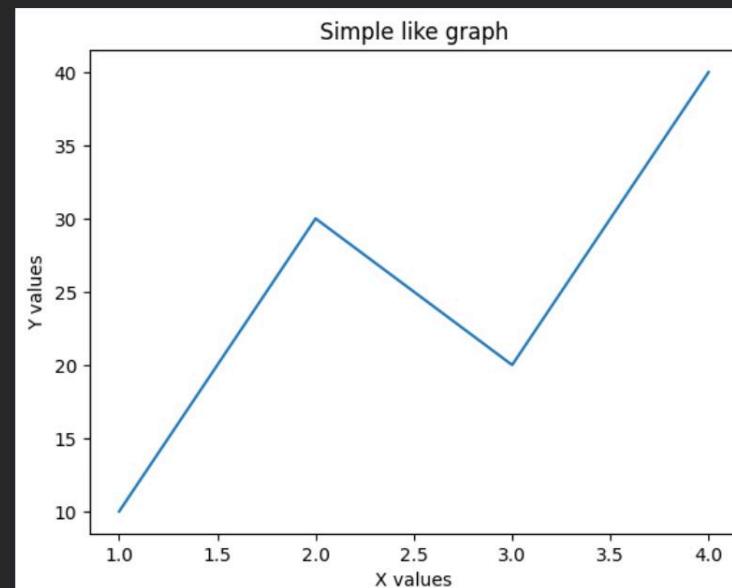


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[ ]

```
import matplotlib.pyplot as plt
x=[1,2,3,4]
y=[10,30,20,40]
plt.plot(x,y)
plt.xlabel("X values")
plt.ylabel("Y values")
plt.title("Simple like graph")
plt.show()
```



[ ]

```
class Bank:
    def __init__(self, balance):
        self.balance = balance
    def show_balance(self):
        print("Balance:", self.balance)
b = Bank(5000)
b.show_balance()
```

[ ]

Balance: 5000

[ ]

▶ 

```
class tester:
    def __init__(self, id):
        self.id = str(id)
        id="224"
temp = tester(12)
print(temp.id)
```

[ ]

... 12

```
a = 10
b = 3
```





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```
class Bank:  
    def __init__(self, balance):  
        self.balance = balance  
    def show_balance(self):  
        print("Balance:", self.balance)  
b = Bank(5000)  
b.show_balance()
```

▼

Balance: 5000

[ ]

```
▶ class tester:  
    def __init__(self, id):  
        self.id = str(id)  
        id="224"  
temp = tester(12)  
print(temp.id)
```

▼

... 12

[ ]

```
a = 10  
b = 3  
print(a // b + a % b)
```

▼

4

[ ]

```
a = [1,2]  
b = a[:]  
b.append(3)  
print(a)
```

▼

[1, 2]

[ ]

```
def rec(n):  
    if n == 0:  
        return 0  
    return n + rec(n-1)  
  
print(rec(3))
```

▼

6

[ ]



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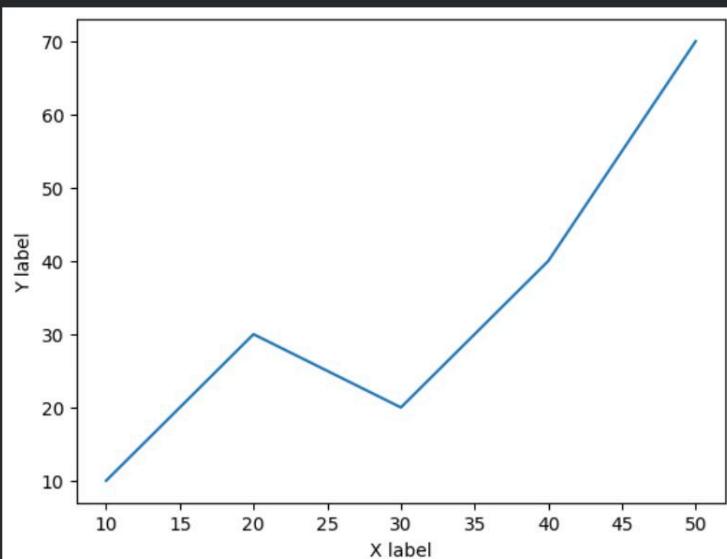


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RAM Disk

```
[4] import matplotlib.pyplot as plt  
✓ Os x=[10,20,30,40,50]  
      y=[10,30,20,40,70]  
      plt.plot(x,y)  
      plt.xlabel("X label")  
      plt.ylabel("Y label")  
      plt.show()
```

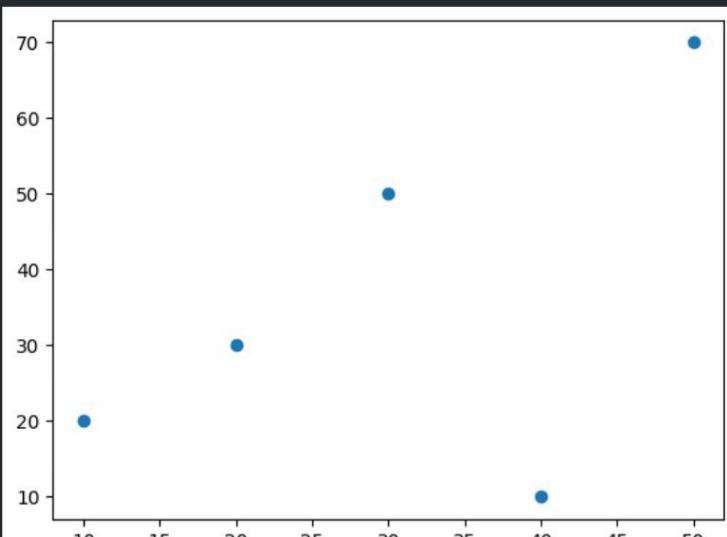


[6]

✓ 0s



```
x=[10,20,30,40,50]  
y=[20,30,50,10,70]  
plt.scatter(x,y)  
plt.show()
```



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[35] ✓ 0s

```
import numpy as np
data=np.random.normal(5,2,100)
plt.hist(data,color="pink",edgecolor="black")
plt.title("histogram")
plt.show()
```

histogram

The histogram displays a bell-shaped curve with the following approximate data points:

Bin Range	Frequency
0-1	3
1-2	2
2-3	5
3-4	13
4-5	25
5-6	20
6-7	15
7-8	7
8-9	7
9-10	3

[39] ✓ 0s

▶ x=[10,20,30,40,50]
y=[30,50,40,90,60]
plt.plot(x,y)
plt.scatter(x,y)
plt.xlabel("X label")
plt.ylabel("Y label")
plt.title("Combination")
plt.show()

Combination

The plot shows a line connecting points at x=10, 20, 30, 40, and 50. The y-values are 30, 50, 40, 90, and 60 respectively. A scatter plot also shows these points. The x-axis is labeled "X label" and the y-axis is labeled "Y label". The title of the plot is "Combination".

...





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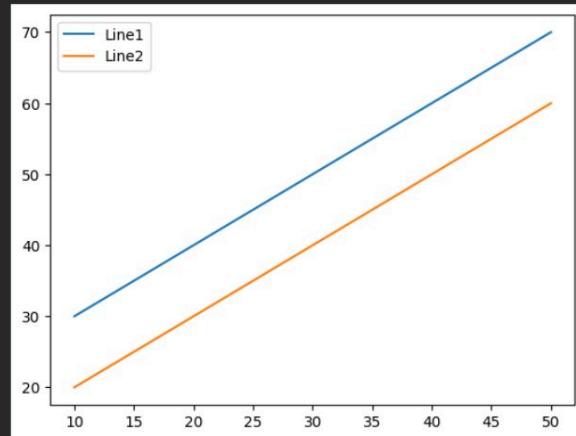
Commands + Code + Text ▶ Run all

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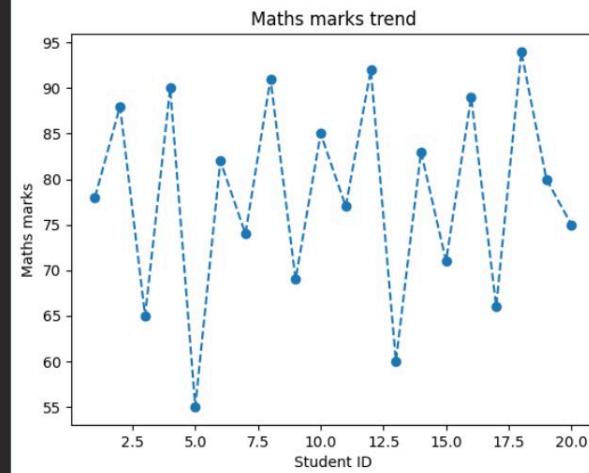
[46] 0s

```
x=[10,20,30,40,50]
y=[30,40,50,60,70]
z=[20,30,40,50,60]
plt.plot(x,y,label="Line1")
plt.plot(x,z,label="Line2")
plt.legend()
plt.show()
```



[50] 0s

```
import pandas as pd
df=pd.read_csv("students_data.csv")
plt.plot(df["Student_ID"],df["Maths"],marker='o',linestyle='--')
plt.xlabel("Student ID")
plt.ylabel("Maths marks")
plt.title("Maths marks trend")
plt.show()
```



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Variables Terminal



✓ 10:13AM Python 3