

```
In [3]: def add(a,b,c):
        result=a+b+C
        print('add' ,result)
def sub(a,b,c):
    result=a-b-C
    print('sub' ,result)
while True:
    #read opr
    opr=input('Enter opr:')
    if(opr=='exit'):
        break

    opd1=int(input('Enter opd1:'))
    opd2=int(input('Enter opd2:'))
    opd3=int(input('Enter opd3:'))

    if (opr=='+'):
        add(opd1,opd2,opd3)
    elif(opr=='-'):
        sub(opd1,opd2,opd3)
```

```
Enter opr:+
Enter opd1:1
Enter opd2:3
Enter opd3:9
```

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NameError                                Traceback (most recent call last)
<ipython-input-3-c176e40ff165> in <module>
    16
    17     if (opr=='+'):
--> 18         add(opd1,opd2,opd3)
    19     elif(opr=='-'):
    20         sub(opd1,opd2,opd3)

<ipython-input-3-c176e40ff165> in add(a, b, c)
      1 def add(a,b,c):
----> 2     result=a+b+C
      3     print('add' ,result)
      4 def sub(a,b,c):
      5     result=a-b-C

NameError: name 'C' is not defined
```

```
In [4]: #
def findmax(num):
    largest=max (num)
    return largest
data=[1,2,3,4,57,9]
print(findmax(data))
```

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In [5]: #default argument
def add(a,b,c=5):
    d=a+b+c
    print(d)
    add(3+2)
```

```
In [6]: with open("test.txt","w")as mylife:
        mylife.write("My first file written from python\n")
        mylife.write("Hello,world!\n")
```

```
In [7]: with open("new.txt","w")as book:
        book.write("My book is useful for studying kinetics \n")
        book.write("thermodynamics,electrochemical!\n")
```

```
In [9]: #read line by line
with open("new.txt","r")as book:
    for line in book:
        print(line,end="")
```

My book is useful for studying kinetics
thermodynamics,electrochemical!

```
In [11]: #count numbers of lines
count=0
with open("new.txt","r")as book:
    for line in book:
        count+=1
        print(line,end="")
print("this file contains",count,"lines")
```

My book is useful for studying kinetics
thermodynamics,electrochemical!
this file contains 2 lines

```
In [12]: #changing case no change in original file.
with open("new.txt","r")as book:
    for line in book:
        line1=line.upper()
        print(line1,end="")
```

MY BOOK IS USEFUL FOR STUDYING KINETICS
THERMODYNAMICS,ELECTROCHEMICAL!

```
In [ ]:
```