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In [8]: import numpy as np
v=[]
n=int(input("please enter total numbers in list:"))
for i in range (1,n+1):
    value=int(input("please enter the value of %d element :"%i))
    v.append(value)

    def asc(v):
        return v.sort()
    def dsc(v):
        return v.sort(reverse=True)
print("select option")
print("1.asc")
print("2.dsc")
print("3.add")
print("4.mean")
print("5.stdev")
print("6.variance")
print("7.new list")
print("8.exit")

choice=int(input("enter any choice 1/2/3/4/5/6/7/8"))
if choice==1:
    print("ascending order of numbers is {}".format(v,asc(v)))
elif choice==2:
    print("descending order of numbers is {}".format(v,dsc(v)))
elif choice==3:
    print("sum of numbers is {}".format(np.sum(v)))
elif choice==4:
    print("mean of numbers is {}".format(np.mean(v)))
elif choice==5:
    print("standard deviation of number is {}".format(np.std(v)))
elif choice==6:
    print("variance of number is{}".format(np.var(v)))
elif choice==7:
    start()
elif choice==8:
    print("exit")
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please enter total numbers in list:9
please enter the value of 1 element :67
please enter the value of 2 element :23
please enter the value of 3 element :54
please enter the value of 4 element :65
please enter the value of 5 element :12
please enter the value of 6 element :0
please enter the value of 7 element :34
please enter the value of 8 element :23
please enter the value of 9 element :90
select option
1.asc
2.dsc
3.add
4.mean
```

```
5.stdev
6.variance
7.new list
8.exit
enter any choice 1/2/3/4/5/6/7/85
standard deviation of number is 27.970001566934545
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In []: