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Ch6ex04.py

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```
import math
def sumN(n):
    total=0
    for i in range(1,n+1):
        total+=i
    return total
def sumNCube(n):
    total=0
    for i in range(1,n+1):
        total=total+i**3
    return total
def main():
    print("This program computes the sum and sum of cubes of the first")
    print("N natural numbers.\n")

    n=int(input("Please enter the value for N:"))
    print("The sum of the first %d natrua1 numbers is %d" %(n,sumN(n)))
    print("The sum of the cubes of those numbers is %d" %(sumNCube(n)))

main()
```

dan@dan-Alienware-m15: ~/Documents/School/CIS110/Excercises/Ch6

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```
dan@dan-Alienware-m15:~/Documents/School/CIS110/Excercises/Ch6$ python3 Ch6ex04.py
This program computes the sum and sum of cubes of the first
N natural numbers.

Please enter the value for N:17
The sum of the first 17 natrua1 numbers is 153
The sum of the cubes of those numbers is 23409
dan@dan-Alienware-m15:~/Documents/School/CIS110/Excercises/Ch6$
```