In [8]:
```
#Wap that accepts an integer then computes and display the values of n+n*(n+1)+n(n+1
#display the message"primesum" if sum of digits of any value beimg printed is a prim
m=int(input('Enter the no.:- '))
n=1
s=0
while(n<=m):
    d=n+n*(n+1)+n*(n+1)*(n+2)
    print('The value formed is:- ',d)
    p=0
    while(d!=0):
        r=d%10
        p=p+r
        d=d//10
    flag=False
    for i in range(2,p):
        if(p%i==0):
         flag=True
         break
    if(flag==True):
       print('Not a Prime No. ')
    else:
        print('Primesum at',p)
        s=s+p
    n=n+1
print('Sum of Prime Values is:- ',s)
```

```
Enter the no.:- 5
The value formed is:-  9
Not a Prime No.
The value formed is:-  32
Primesum at 5
The value formed is:-  75
Not a Prime No.
The value formed is:-  144
Not a Prime No.
The value formed is:-  245
Primesum at 11
Sum of Prime Values is:-  16
```

In [ ]:
```
#Wap that uses nested loops to collect data and calculate the average rainfall over
years=int(input())
inches=0
for x in range(0,years):
    print("enter rainfall for year",x+1 )
    for y in range(0,12):
        inches=float(input())+inches

months=years*12
average=inches/months
print("months : ", months)
print("total inches of rainfall: ",inches)
print("Average rainfall: ",round(average,2))
```

In [ ]:
```
#Wap with aloop that asks the user to enter the series of even positive numbers. The
sum=0
while True:
    n=int(input())
    if(n<0):
        sum=sum+n
    if(n>0 | n%2!=0):
```

```
        if(n%2!=0):
            print("error! number is odd")
        print("Sum is: ",sum)
        break
```