```python
#Function to calculate average of all factorials
def factorial(n):
    fact=1
    for i in range(1,n+1):
        fact=fact*i
    print(fact)
        #return True
#factorial(5)


def amstrong(n):
    rem=0
    sum=0
    t=0
    while(n>0):
        rem=n%10
        sum=sum+rem*rem*rem
        t=n//10
    print(sum)
#amstrong(12)
```