sum = 0

for x in range(1,1000):

if x % 15 == 0:

sum = sum +x

elif x % 5 == 0:

sum = sum + x

elif x % 3 == 0:

sum = sum + x

print sum

first = 1

second = 1

fib = 1

total= 0

while second < 4000000:

fib = first + second

if fib % 2 == 0:

total = total + fib

print fib

print total

first = second

second = fib

#number = 600851475143

number = 6857

largest = 0

x=1

while x < number/2:

if number % x == 0:

number = number/x

largest = x

print largest

x +=1

x = 999

largest = 0

while x > 0:

y=999

while y > 0:

product = x\*y

if product > largest:

prod = str(product)

if prod[0] == prod[len(prod)-1]:

if prod[1] == prod[len(prod)-2]:

if prod[2] == prod[len(prod)-3]:

largest = int(prod)

print largest

y = y-1

x= x-1

summ = 0

squares = 0

i = 0

while i < 101:

summ = summ+i

squares = squares + i\*\*2

i +=1

print squares - summ\*\*2

primes = [2]

i=3

goal=10001

while len(primes) < goal:

is\_prime=True

for num in primes:

if i % num == 0:

is\_prime = False

if is\_prime == True:

primes.insert(len(primes), i)

i +=1

print primes[goal-1]

a = []

with open(product.txt') as f:

while True:

ch=f.read(1)

if not ch: break

a.append(float(ch))

i=0

product=0

while i < len(a)-12:

j=0

prod=1

while j < 13:

prod=prod\*a[i+j]

j+=1

print prod

if prod > product:

product = prod

i+=1

print product