#Ans1. Python Program for Efficient program to print all prime factors of a given number

num=int(input('Enter a number'))

i=1

while(i<=num):

temp=0

if(num%i==0):

temp2=1

while(temp2<=i):

if(i%temp2==0):

temp=temp+1

temp2=temp2+1

if(temp==2):

print(i)

i=i+1

Output:

Enter a number350

2

5

7

#Ans2. Python Program for Product of unique prime factors of a number

num=int(input('Enter a number'))

i=1

c=1

while(i<=num):

temp=0

if(num%i==0):

temp2=1

while(temp2<=i):

if(i%temp2==0):

temp=temp+1

temp2=temp2+1

if(temp==2):

c=c\*i

i=i+1

print(c)

Output:

Enter a number350

70