#factorial

#n=int(input())

#fact=1

#for i in range(2,n+1):

# fact=fact\*i

#print(fact)

#fibonacci series

#n=10

#a,b=0,1

#print(a,b,end=' ')

#for i in range(n-2):

# fib=a+b

# print(fib,end=' ')

# a,b=b,fib

#count of digits

#num=234545646

#count=0

#while num:

# num//=10

# count+=1

#print(count)

#palindrome

#n=12123

#res=0

#temp=n

#while temp:

# rem=temp%10

# res=(res\*10)+rem

# temp=temp//10

#print("palindrome" if res==n else "not a palindrome")

# Armstrong number

num=12121

n=num

count=0

while n:

n//=10

count+=1

temp=num

dig=0

while temp:

res=temp%10

dig+=res\*\*count

temp=temp//10

print("armstrong" if dig==num else "not a armstrong")

Prime numbers

n=int(input("enter n value"))

count=0

for i in range(1,n+1):

if n%i==0:

count+=1

if count==2:

print("prime")

else:

print("not a prime")

Based on numbers printing corresponding alphabets by using ascii values

a=[19, 9, 14, 4, 8, 21]

sum=' '

for i in a:

sum+=(chr(i+96))

print(sum)

Finding min value in digit:

a=[0,2,3,7678,5,87,456]

mn=a[0]

for i in range(1,len(a)):

if a[i]<mn:

mn=a[i]

print(mn)

Finding max

a = [1, 2, 3, 7678, 5, 87, 456]

mx = a[0]

for i in range(1, len(a)):

if a[i] > mx:

mx = a[i]

print("Maximum:", mx)

Moving zeros to last

lst=[2,0,4,6,0,0,3,4]

for i in range(len(lst)):

if lst[i]==0:

lst.remove(0)

lst.append(0)

print(lst)

Printing duplicates and non duplicates separately

lst=[2,0,4,6,0,0,3,4]

res=[]

rem=[]

for i in lst:

if i not in res:

res.append(i)

else:

rem.append(i)

print("without duplicates:",res)

print("duplicates are:",rem)

Printing only duplictes

lst=[2,0,4,6,0,0,3,4]

res=[]

rem=[]

for i in lst:

if i not in res:

res.append(i)

else:

rem.append(i)

print("duplicates are:",rem)

**Printing only even numbers in list**

lst=[2,0,4,6,0,0,3,4]

res=[]

for i in lst:

if i%2==0:

if i not in res:

res.append(i)

print(res)

**Printing only even index values:**

lst=[2,0,4,6,0,0,3,4]

for i in range(0,len(lst),2):

print(lst[i])

**Printing list in reverse without using slicing:**

lst=[2,0,4,6,0,

lst)-1,-1,-1):

print(lst[i],end=" 0,3,4]

for i in range(len(")

lst = [2, 0, 4, 6, 0, 0, 3, 4]

for i in range(len(lst) - 1, -1, -1):

print(lst[i], end=' ')

lst = [2,4,6,-10,3,-4]

sum1=0

sum2=0

for i in lst:

if i<0:

sum1+=i

else:

sum2+=i

print(sum1,sum2)

a='abcdefghi'

for i in a:

if i in 'aeiou':

print(i,end=' ')

a='abcdefghi'

for i in a:

if i not in 'aeiou':

print(i,end=' ')

a='abcdefghi'

for i in a:

if i in 'aeiou':

print(chr(ord(i)-32),end=" ")

else:

print(i,end=" ")

a='gayathri’

sum=0

for i in a:

sum+=(ord(i)-96)

print(sum)

a=[19, 9, 14, 4, 8, 21]

sum=''

for i in a:

sum+=(chr(i+96))

print(sum)