def mul\_inv\_check(r2,a):

r1 = n = 26

t1=0

t2=1

while(r2!=0):

q=r1/r2

r = r1%r2

r1=r2

r2=r

t = t1-q\*t2

t1=t2

t2=t

if(a==1):

if(r1==1):

return True

else:

return False

else:

if(t1<0):

return t1+n

else :

return t1

mul\_inv\_check(7,2)

Output : 6.785714285714285

a = 1

while(a==1):

k1 = int(input('enter k1 : '))

if(mul\_inv\_check(k1,1)):

a=2

k2 = int(input('enter k2 : '))

Pt = input()

print(type(Pt))

P\_A = []

for i in Pt :

P\_A.append(ord(i))

T = []

C=[]

for x in range(len(P\_A)):

T.append((P\_A[x]\*k1)%26)

C.append((T[x]+k2)%26)

enc = ''

for i in range(len(C)):

enc = enc + chr(C[i] + 65)

enc

Output : enter k1 : 7

enter k2 : 2

ketan

'XHIFS'