**Crypto project 1st iteration**

n = 10001

g = 7919

def a\_b\_for\_all(x):

a = (g\*\*x)%n

return a

def key\_of\_sender(b):

k = (b\*\*x)%n

print(k)

def key\_of\_receiver(a):

k = (a\*\*y)%n

print(k)

x = 850

y = 215

at = a\_b\_for\_all(x)

print(at)

bt = a\_b\_for\_all(y)

print(bt)

print(key\_of\_sender(bt))

print(key\_of\_receiver(at))