No:	Date:	
	CN LAB-8	
	LEAKY BUCKET	ALGIORITHM
0		
Emport		T
Clar =	lambda: 05. system ('cl	ear')
class	client:	
	lef - init- Lself, rate = in	nt, data = [7]:
	Self. rate = rate	( le
	self. data = data	
ط ه		
(16	b- str-(self):	
	return str ([str (s. str (self. data)])	elf. rate),
	so coup. voita 11)	
da	& Buffer:	
C	def- init-(self-buffer-	size = line, butter = []):
	self. butter-size = buffe	r_Sire
	Self. bullen = buller	
1	1 1 10 0 11 1	
ay	Cheekstate (Self): G len (Self. buffer)	
	9	-= 0:
	return true	
base	estate=True	
	0 = 1	
by	Her= Buffer (int (input	("Entor buffer size: "))
010	ent = Client (int linput	-(" Enter rate: ")))
CU		

-9	NI <sub>2</sub>
2	No: Date:
	while basestate:
_	data_to_send = Enput (" Enter string: ")
_	count = 0
_	if buther. Checkstate ():
_	for & in range (0, len (data_to_send):
	if ic client rate:
	client. data append (data_to_send(i))
	Use
	ig count buffer buffer-size:
	buffer-beliffer append (data_to_send[2])
	else
	if count < buffer buffer - 88ze:
	data_to_send (iJ)
	else:
	3=0
	for in range (0, len (data_send) + len (buffer. buffer))
	if is client rate:
	client. data. append Chuffer. buffer [0]
	else:
	client. data append Caata_to_send [i]) j+=1
	else: if len (butter butter) 1=
	butter butter append (data - to_send fil)
	j+ = 1
	Use: Py j < len (data to send):
_	Print ("natar loss: " + data to good (17)
	Print ("Data loss: " + data to send [1])
	Print (bulker)
	print (buffer) print (Blient)
	Aug c