3)	White a program to implement
100 P 1	Leaky bucket algorithm
	°
	import OS
4	class client:
	det -init - (self, rote=int, data=[];
	self. rate - rate
	Self. data = data
	det _str _ (self):
	return str (self. rate),
	Str (self. data)
	Class Buffer:
	det - init - (self, buffer -size = int):
	buffer=[7):
	self. buffer-size = buffer-size
	self. buffer = buffer
	def checkstate (self):
	if len (self. buffer) = =0:
	reduces True
	def -str- (self):
	return SAY ([SAT (Self, buffer-5120)
	Str(self buffer));

	_
PAGE No:	7/
) PALLING	
DATE: / /	

1	basestate=True
	sec = 1
	buffer = Buffer (int (input ("Enter Buffer)
	Size")))
	client = client (in put (" Enter acceptances
	rate ")))
	data-to-send = str
	while basestate:
	data to send = input ("Enter a
	string send by server")
	Sexver")
	Count 50
	if buffer checkstate():
	for ? in range (0, len (data-to-send);
	if i < client rate:
	-client data append (date-to-
	send[i])
	else;
	if count < buffer buffer-size: -
	buffer, buffer, append
	(data_to_send [2])
	count = len (buffer, buffer)
	: 9269
	- ot send ("Data loss") + data to -
	send (E)
- 11	