## Practical - 7

Ain: Program should achieve at least below given requirements, you can make it a bidisectional program where is reciever is sending its data frames with acknowledgement. Program: sender. Py import 05 def sender (wirdow size, message): Sender buffen - "Sender Buffer but" receives buffer - "Receiver Buffer tout" frame - no = 0 frames = [[i,message[i]] for i is range (len (message)) while frame no < len (frames): for i in range (window size): if frame no + i < len (frames): print (f'sending frame: ¿ frames [frame\_no+i33] with open (Sender buffer, 'a') as f: f. write (f & frames [ frame no + i] [0]] ¿ frames [ frame no+i][1] \n") time sleep (1) while True if OS. path exists (receiver bugger): with open (receiver bligger, 'r') as { . ock no - wit ( fread (). Strip () 03. remove (receiver buffer) if ack no z - frame no:

print (f"Ack received for frame: god

frame no ack no +1

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Carlos and	elses
	print / 1" MCK received for frame : & frame - no3;
- Control of the Cont	resending ")
M.	a care of 1 or gray of the first
1	ie_name_ = = "- main -"
	mindow_Size = wit ( unput ( " Enter window)
	size"))
	message = input ("Enter message")
	Sender (window_size, message)
	to be a second medical and it
	Recevier py
	import os
	deg receiver ():
	Senden buffer - "Sendon Buffer trit"
	recourier - bugger = "Receiver Bugger tout"
	enpected frame no-o.
	while true:
	if os. path. exist (sendon-buffer):
	with open (senden buffer, 'r') as f:
	lines = f. readires ()
	os remove (senden-buffer)
100	1 [01] bring police
	for lire in lives:
7	frame = line Strip (). Split ()
-	frame no - virt (frame [0])
	data = frame [1]
	if grante -no'== emperted frame no':
	print ( g " Received frame : Eframe no
	data: Edata Z")
	with open (receiver, bugger, 'w') as g:
	f. write (str (frame_no))
	expected-grame no +=1
	elro;

	print (p'unenpected frame: ¿ frame noz,
	data: 3 data 3")
	with open (neceiver buffer, 'W') as f:
	f. unite (str (expected - frame no-1))
	if name -== "-main-"
	preceiver
	output: python Senden, py
	Quegate addition
	Enter mindom size: 5
	2
	Enter message · hello
	[ No. 17]
	Sending frame: [0, 191]
	the second section of the second seco
	Sending frame: [1,'e']
	sending frame [2,11]
-	the derivative mark and the
	Sending grame : [3, 11]
	( and the state of
	Sending frame: [4, '0']
-	
	NACK received for frame to, resending
	france o, resending
	Sending frame 5
	Sending frame : [a, 'A']
	Sending Promoto
	Bending frame : [4, 'e']
	Sending
	sending frame: [2,11]
	The state of the s

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AND DESCRIPTION OF THE PERSON	
	Sending frame: [3, '1']
	Sending frame: [4, '0']
0	
	NACK received for frame: 0; resending.
	sending grame : [0, '8']
	sending frame: [1,'e']
	sending frame: [2,'1']
	serding grane: [3,'1']
	sinding frame: [4, '0']
	*
	Ack received for frame: 4
	python recieves. py
	wremperted grame: 2, expected: 0
	unexpected frame: 2, expected 0
	unexpected frame: 3, expected:0
	0 × 9
357	The state of the s
	300 91 121 NO 200 200 200 100 100 100 100 100 100 100
	1 C 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	a W
	Remust:
	Thur, the program was successfully
	enecuted of the output is verified.
ALC:	
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