CYCLE 2

EXPERIMENTS

Prose and the Pr
program!
progra 1 det crc(minage, poly, mode).
int (mexical)
memody is the second with the second
reminder = 11st (10 'e(sen (poly)-1)) reminder extend (10 'e(sen (poly)-1))
for i in range (den (menage)):
's verninder L' J
has i in range (lengt poly)
' ' ' WA (veminger):
reminder Litij] = '0' it remitij] = porgi
ui mode = = 41:
return munage + 11 john (reminder [len (mungs):
return all chit== 'b' you bit in reminds
il name := = "main":
poly = "1000100000100001"
muneys = inget (" unter in pinary")
eransmitted_memoge = crc (manage , poly, 1)
if creciend mon poly, o).
print ("no error")
ene:
print ("enor")
transmitted menage is: 1101110 1050110
transmitted merrage is: 1101110 1000111
recitued in binary - 1101
no ever

	Program2
de	import sime
2	impore turnibus
	NOS - packete = 10
des	grants random partet size (man - size)
110	return random randing (1, max-size //1
dak	main():
	packet sizes = [gen-random packet size (4
	- in range (NOF PACKETS)]
	print ("generated packet sizes:")
	for i, size in enumerate (packet-sy
-	print (f 'packet[[if]: 1 sige? byte
alm'i	- distance or manifesto the
QU	uput rat fint (input ("In Enter Ocuput ra
	chat - size = int cinpot (" enser sige))
YE	maining hypton = 0
401	i, packet in enumerate (packet - siges)
	print (F" 'n Processing Packet [[13] of
170	f packet 1 byses ")
116	if packet > bucket_size
Lan	print (+" packet size @ (} packet })
1000	muceds capacity (b-113e] - Packet Y
100	contine - Packet T
1000	
	exinc("bullet sin
	print ("bulket size enceded - PACK!
	continue

Dene____ remaining - bytes + = packet exint (& " encoming & accepted : ipocket ; ") print (+" Total Bytes in Bucket : Fremaining 1") eransmission - time = random randint (1,4) 10 print (+ " simulated Thine: 3 transmitted unit m") cor - in range (+ + 1/10) time sleep(1) is remaining-bytes 7 6 transmitted = min (output - rate, rem-byse remaining -= transmitted print (F" Transmitted : Irrans } bytes remaining. { remaining- bytes ? bytes" print (" no packet transmitted ") break ig -- name_ = = "main -- " main() autput: welver no of guerier - 10 smulet sige it me unpur packet 117e 4 output perer's & !

TE SE	Done
	Program)
-	China TCP, py
	in impact
	Marie : 0 97.0
1479	113.000
	the Cover a locker (Project)
011	wientfowet, connect (serverName, serverPorty)
100	MINERE input (" In Ende file name")
	() anade()
	wentfocter send (sentence, encode(s)
	Ale consents = crientsocket vecv (1024).decods)
	print ("In from sever")
Fall 200	print (ficconunt)
17 1	clientsbetet close ()
14	Myd Linn (: Managament 11) Saila
1 100	Servertep-producer + monitories
1	1111
	plant sectet umport
	server Name = 1127.0.0.1"
	serum Port = "12000"
	which Serum Socket : Socket (AF INST, JOCK STREM)
	soverpocker bind (server Name server Port !
	Acros Joceth John (1)
	while 1:
-	print ("server ready to recieve")
-	connection Socket andr = server Societ accept ()
-	sentence = connections ocket. recv (1024) decede
-	
-	file = open (rentence, " "")
-	d = file. read (1024)
1	connection secret , send (,
1	print ('In sens consenting '+sentence)
	We crose.)
	consellion sected (love ()

program 4 Client UDP. Py from locket umport & corver Name =" 127.0.0.1" server Port = +12000 WIRE SOCKET & SOCKET (AE INET , SOCK DORAM) sentence = input ("in enter fremame") wient Socret. sendto (bytes (rentence, "u+f-8") (nervername, server Port)) fixconunt, sawaddren = clientsocket recupro print (reply") . print (filecontent. decode ("utf-8")) elient socket . class U Server UDP. Py From Jockets import serverport = 12000 Server cocket : SOCKET (AF INET , SOCK DURAN) server Socket bind ("127.0.0.1" server Port) print ("somes in ready to recieve") while 1: rentence, clientaddren . server source recufrom (2048) sintence : sentence decode (" une - 8") file = open (sentence, " i") con = file . read (2048) server Socket , sendto (bytes (con , "ott ") -client Addreu) print ("In sent consens of , end = ") print senting) gile . close ()

10	Ex1-12
1	
1	wire shork buts 1
1	xey feature:
1	1. packer capture
1	2 protecol analysis
	S. Wellowing pre-
	4. rusualization
	89
	use saves
	1. Network trouble sheeting
	disgrainy star network speed
	It other mis confyration
	a. security analysin:
	execting maticous traspic as
	insention
	s. Problem inda
	understandy packet executives &
	' commercial from
	The state of the s
	oje:
	- Un water
	2 top: 10: 1000 rappie on TCP port 8: 2 top: 10: 1000 rappie on TCP port 8: 4. ip : 292.168-11.1: 5200 in \$ to 7 to
	1 1 292.168.11.1: som ing to the
	sight: show only upp maff?
1	sofete : share
+	
+	
1	
1	
-	
T	
1	