

Pg. No.:25................

Pricetical	Framing Protocol: Byte Stuffing.
	Implement a Parogram in C which demonstrates
	recide duty entirely technique, where sender
	byte-stuffing framing technique, where sender reads data, applies byte stuffing to the frame and sends it to receiver Assume appropriate character for flag byte and stuff byte.
	apphophiate character for Claus Luko and
	Stuff bute.
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*	Objective:-
	The objective is to implement Byte
	Stuffing in a framing protocol, where
	the Sender adds extra bytes to prievent
	Character appretation of tage on escape
	The objective is to implement Byte Stuffing in a framing protocol, where the Sender adds extra bytes to prevent misinterpretation of flage or escape characters, ensuring accurate data transmission
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	distribution despect
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*	Code
	COCKE.
	++:-1 1
	#include <stdio.h></stdio.h>
	# include < string.h >
	· ·
	int main () {
	<u>сhan fname [50][50], stn [50][50];</u>
-	chan flag [10], esc [10];
	int i, K=0, n;
	Stacpy Cesc, "esc");
	Stacpy Cesc, "esc")
	Stricpy Cframe [k++], flag);
	. 0
	Printf C "Enter length of String:\n"); Scanf C "% d", & n);
	Scanf C "% d" & n):
	qetchun ();
	9 000 110 11 00)
	printf C" Enter the Strings: \n")
	fon Ci = 0; i < n; i + t) {
	fgets Csty [i], sizeof Csty [i]), stdin);
	Statilestacspacstatil, "\n")] = 103
	SEALT TESTICSPIT CALLETT, (II) = 10
	Dariel C C " \ v V extrace 1 \ \ "):
-	printf ("In You entered: In");
	for Ci=0; i <n; &<="" i+t)="" th=""></n;>
	puts Csta [i]);
	9
-	printf C"\n");
	· · · · · · · · · · · · · · · · · · ·

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for(i=0;i <n;i++) &<="" th=""></n;i++)>
if C Stycmp Csty [i], flag)!=08&
if C Stacmp Csta [i], flag]!=08& Stacmp Csta [i], esc]!=0] &
Stricky Cframe [k++], strill; 3 else &
3 else { '
Stucpy Cfname [k++], esc);
Stucpy Cfname [k++], esc); Stucpy Cfname [k++], stuci];
3
y .
Starcpy Cframe [k++], flag);
printf ("\n\n")
printf C"Byte stuffing at sender side:\n\n"); printf C"\n\n");
printre
for C: - D: i - V: i ++) S
for Ci=O; i < K; i ++) & printf c"%s\t", frame [i]);
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	Output
	Enten length of Staing:
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	Falos, M. C.
	Enter the Strings: Hello
	World
	Crood
	Bye
	You enterned:
	Hello
	Good
	Monning
	Bye
	Byte stuffing at senden side:
	flag Hello world Good morning Bye flag
*	Leanning Outcome:
->	Undenstanding and implementing byte stuffing fon Sufe data transmission in framing protocols.