

	Wed Page No: Fri
WRITE	A PROGRAM TO LAB-7
	ERROR DETECTION USING CRC-CCITT (16 bit)
	#include (stdio. h>
	# melude < string. h>
	# define N Stalen (gen-poly)
	Chae data [28];
	Char Check-value [28]:
	char gen-poly[10];
25.	int data length, i, j;
	Word OXOR() of a cold
10000	for (j=1; j <n; j++)<="" th=""></n;>
12-172	Check-value [j] = ((check-value [j] == gen-pay (j))
	?'0': 1'); }
	Uoid (CC) of
	40x (i=0; i <n; i++)<="" th=""></n;>
	Check-value [i]=data[i];
	do d sand > states and interest
	if (Check-walue[0] == (1')
	XOR();
1300	408 (j=0; j <n-1; j++)<="" th=""></n-1;>
	Check-value [j]-check-value [j+1].
	check-value [j]- data [i++];
	& while (ix=data_length+N-1);
	3
	wold receives () f
	prenty ("Entered the received doda:"):
	scome ("%5', data);
. 4	printy (" Data secured: 7.5", data):
773	creco;
	for (i=0; (i <n-1) (check-value[i]="" -="" 1);it<="" 21="" th=""></n-1)>
	if (iKN-1) is the state of the
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A SECURITY OF STATE O	Twee Set
print	& ("In Euros detected");
clse	
print	f ("In No Essoe detected").
· પુ	one accepted,
omt	main()
ર્વ	A second
Daim	the Cucken Con
Scan	of (" Enter Codemond").
	6 ("905", data).
pein	tf (" Enter Generating polynomial"):
SCOVY	Bros, gen-Boly);
data	-length = stslen (data);
tor (i = data - length; ix data-length + N-1, 9++)
wae	V[1]- · O ·
prix	ity ("In Prata with Zeros: 905", data).
CACC	
prin	It (" CRC value is: %5", check-value);
for C	=data-length: is data-length+N-1 : i++)
data	[i] = Check_ ualue[i-data-length];
prir	nty ("Final data sent is 105", data);
reces	iver(),
retu	m 0;
3	
OUTP	PUT :-
Enter	Code word: 1011010101
Enter	Generating Polymonial & 1010
Dot	a with zeros = 10(10101010000
CRC	Value is 000
11	al data to be sent is: 10110101010000
Ente	r Data Received: 10110101010000
Essu	os detected.
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		Mon Data: Tue Wed Page No:	20 FM
	Enter codeword = 1011.010101		The state of the s
A CONTRACTOR OF THE CONTRACTOR			
	Enter generating Polynomial Data with zeros:-10110101	00000	10
	ec value is:000.		
	ata sent to Receiver:-101101	0101000	p
	No error detected.		y
	1 1 mm / work 1 mm	30 boi	A T
	1/2/2	201 1 105	0.5
	29/1	3 1 1-0	e d
	S. COSD-WORLD.	30 3	73 "
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(+ 1	- length is detail gra+N-2.	3104 11	4
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		of marine	
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