Write a program for error detecting code using CRCICCITT (16-bits).

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code using Che-ger
write a program for over detecting code using short
char m [60], 9 [50], n [50], 9 [50], temp [50];
#includexstdio.h>
 void calthans (int);
                                           (a bill are
 void one (int):
 void calnamil:
 void shiftle:
                                          (+11:110) (0-7)10)
 void main ()
  int n, i= 0;
  char ch, flag= 0;
  printf (" Enter the frame bits: ");
                                     (++1 01-001,0-1)/01
   while ((ch = gete (stdin))! = 'In')
   m[i++]=ch;
   for (1=0; 1<16:1+1)
    m[n++]='0';
     m[n] = "10";
     printy ("Message after appending
     for (1=0; 1'<=16; 1++)
      g[i] = '0';
      9[0] = 9[4] = 9[11] = 9[16] = 11';
       g [17] = '10')
       point ["In Generator: 7.5", g);
       onc(n);
       printf ("In Quotient: 7. ", 9.); ([] = []] good
        coutnans (n);
       poriny ("In Transmitted frame: 7.5", m); [31 0]
       printy ("In Enter necessed frame: ");
        scant (" In 1. ", m);
                                          ( ) mustos hiou
        porinty ("CRG checking (n");
        (nc(n);
        Printy ("In Last remainder: 1, x" (ri); il = 1 (1)
       los(i=0; 1216; i++) 000 1 1000-127-127-121 (1/2)
        iy (x[i]]: 'o')
         flag=1;
         chre
         continue
```

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if (flag == 1)
 printly (" Eronor during transmission");
  print I'm Regind frame is correct is lost of
else
                                          1 Donardon
void one (int n)
                                           E) Ly ina
 int ()
                                            Promise (
 for(1=0; ikn; 1++)
 templi]=m[i];
                                               10 -1 N July
 for (1=0; 12(6; 1++)
                        print ( Lister the forces tills )
 Ali]=m[i];
 for (1=0; 1< n-16:1++)
    if (r[o] == '1')
    d ali]="1";
                                           0/2[440]00
      calram();
                    printed ( interest offer of benefiting
                                     (++1:01->1:0 T) to].
     d a[i] = '0';
      shift();
    2[16] = m[17+i];
    た[17]=1101
                            " L' 1 mencerage (1") pliney
    for (1=0; j <= 17; j++
     temptil= 26,7; (Co. "an belland of ) stoling
   q [n-16] = 176"; 1 " sonoy systemment or" | paney
                          scary (" IN I'm " mi);
     calram ()
                          Prince ("CHE CHECKING (A"):
4
  int i,j;
 for (i=1; 1x=16; i++); intriorrer test of 1 thirds
 2[i-1] = (Cint) temp[i]-48) 1 ((int) 9[i]-48)+48;
                                        (10'-11.17 A) pa
                                               1 = 227/
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voids shiftled satires no legines of renterple temper the cipter duby for (121) (<=16;1++) () word body えしi-17 = おしiる; void caltran (int n) is ging to go to but promount in in 1, k = 0%, red, enochood, gracebood 2, "bx bx bx bx graces m[i]= ((int)m[i]-48)^((int) x[k++]-48)+48)0-!m) Hinter mtil: 10; il igis toboq governori est sobil " puincy 5000 (" 1. d.") kencerning): Output: ([primaral, "bx agra mang grammara") juning generatos: 1000/00000 10000/10 10000) pering Catis and quotient: 1011 Transmitted frame: 10/1/01/000101101011 Enter transmitted frame 1011 1011006/1011010111119 CRC schecking to two 63 agrid refund textural") through Received frame is correct. [15/2 doud elate is put to mostly to borney to the come of the total Epiles bushed sign outing note & ma of inputs so to a take the inventing pocker 513:30 of sets transal factory seering to ar of longyood on jo two o with wagens

Output:

Enter the frame bits:1011

generator:10001000000100001

quotient:1011

transmitted frame: 10111011000101101011

Enter transmitted freme:10111011000101101011

CRC checking

last remainder:00000000000000000

Received freme is correct