```
Cycle-2
                                       using CRC-CCI
thin was for error detecting
                                ade
                                                 TT (16 bits)
                                       el include a state (V)
                                       & MICHAEL CONTOLLS
include (stdio. h>
in clude a string. h >
define N strlen (3)
                                            3 () NAMA BION
has t[28], CS[28], g[10]; (ma) [ac] you (con) topin said
at are, ci
oid xorfunction ()?
fo (c=1; c < N; c++)
 cs[c]= ((es[c] == 3[c])?'o':1'); b () | 1
oid (80() {
  bo ( e=0; e<N; e++)
    cs[e]= t[e];
                             18 ( i=0; i < key km - (; i++) {
     if (cs[o] == '1')
       xoxfunction();
     for(c=0; c<N-1; C++)
         cs[c] = cs[c+i];
     (S[C] = t[e++];
                                       Colpust: Cil Jamp
    3 volile (e < = a+N-1);
                                     ( of = Ci) tap) if
                                Po (1=0; j < (ey lun; j++)
int main () {
  Printf ("In Enter data: ");
                                             (0= [i] w)
  Scanf ("1,5", t);
Pointf ("In Enter generating polynomial: "); X
  Scanf ("1,5", t);
                                       (eg [i] - feng [i];
```

Finclude estdio.h> in war to esser detecting note # include (Stdlib. h > #include (stdio- b) # include < Conio. b (d. 00 to 2 2 30 do 6) # include < string.h> include established (B) where we support void main() { int 1, j.- Key, len, meglen; chas input[100], tey [30], temp [30], quot [100], sem [36], Key 1 (30); is northwesting sin Pointf("Enter 6(x): "); gets (key); keylen = stolen (key); 3 () 5x5 \$10 68 (e=0; e=1) e++) meglen = stolen (input); 65 e 2 e [e]; Stry (kou 1, kou); for(i=0; ic key len -1; i++) { (1, == (0) 50) 1! 9 0,0 input[msglen+i]= 'O' xostouction()? f8 (i=0; i < key (m; i++) 200 (c-0; cEN-1; C++) temp [i]= input[i]; (5/c) = (5/c); for (1=0; ic meglen; i++) : (++0) + = (0)20 quot [i] = temp[o] 3 volité (e <= a+W-1); if (quot(i) == '0') f's (j=0; j< (cylen; j++) int main () [(wy[j] =0; Parint+ ("In Entes dista: "); else to (j=0; j < Keylen; j+ + company (substance some not) ker [j]= lcy,[j];

```
8 ( j= keylen-1; j>0; j--) {
f / temp [j] == key [j])
vem[j-i] = 0; else
rem [j-1] = 1';
rem [ keylen-1] = imput [ i+keylen];
stripy (temp, rem);
stropy (rem, temp);
                         ");
Printf ( "In Quotient is
& (i=0; ic meglen; i++)
Printf ("1, c", quot [13);
sint ("In Remainder is
& (i=0; i< Keylen-1; i++) [[m](0)+1]
sint ("/. c", rem[i]);
soutf ("In Modified data is: ");
& (i=0; i< meg (en; i++) (0)10)0 to di
soutf("/c", input[i]);
'8 (i=0; i< key(en-1; i++)
south ("1, C", sem[1]);
  strat (imput, rem);
   keylen = stolen (key);
usglen = stylen (input);
stalpy (key1, key);
for (i=0; i < key len -1; i++) =
                                   0010
  imput [meglen+i] = 0';
                                  00010
for (i=0; i < keylen; i++)
  temp[i] = imput[i];
                                000101
fo (i=0; i < msglen; i++) {
quot [i] = temp [o];
```

```
if ( quot [i] == 'o')
    f8 (j=0; j< Key(en; j++)
    key[j]='0';
     else
     for (j=0; j < key len; j++)
      key [j]= key [ [j];
     f8 (j = keylen -1; j>0;j--)
     if (temp[i-1]=ker[i])
     · rem[j-1]= 0'
     else
     8am [j-1]=1';
    vem [ keylen-1] = input [ i+ koylen];
    Strapy (temp, rem);
   Stropy (sem, temp);
Printf ("In Remainder is at securer side");
    to (i=0; i < key (en-1; i++)
    Pointf ("/,c", vem [i]);
    getch();
                                      ((60 x) 100) c. p. s.
   Enter 9(x): 1010 -> CRC-16 only x+2+2+1
asetentes data: 1011010101
    Remainder: 000
    modified: 1011010101000 -> CW 10
                            Scw = gp (+ +1 ; melyes)
    checking for ears
Cre? Enter data: 1011010101000
    G(x): 1010
                                      consider; i+
    Romaicides: 000
```

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