AIM: - Wride a program for ever detecting using CRC # include (stdio. h) void main () charingut [100], ley[30], temp[30], quet [800], own [30] , Sey 1 [30] prints (" Enter data"); gets (input) exint & ("Entor G(X)"); gets ( key); Steylen = stolen ( key ); msglen = stillen (input); stropy (key 1, lay); for (120; i ( Reylen-1; itr) { input[msgRen + i] = '0'; for (1=0; 1) < Ley &n; it) temp[i] = input[i]; for (120; 1 < maglen; 177) { Coldmot = Ciltonp } if (qual [] = = 10') for (j=0; i keylen; itt) Ley [i] = '0'; for (j=0; j < Seyfen; j++) Ley [i] = ley ([i]; for ( = leylen-1; j70 ; j-) ( [i] ( temp[i] = = Sery [i] ) Jum [j -1 ]= 10/5 JOM (17) - [11;

nom [Beylon - 1] = infect [ 1 + legen]; ; (more, front) bysope stocky (nem, temp). printf ( " quotient is "); for (1=0; i < moglen ; it!) pounts ("Y C" > grat [i]); print { (" \ Remainder "); for ( 1=0 ) i < leylon - 1; ite) ([:?mue \_" .. " ) ftring printf (" Modified data is"); for (izo; i Zmsglen; itr) printf (""c" inkut[i]); for (i = o ; i < leylon -1; itt) printf("1.c" > rum[1]); getch (): output: Enter data: - 1011010101 Britar G(x):- 1010 001000100 - si traitoup Remainder: - 500 Modified - 1011010101000 Chedeing for evor Enter data: - 10110101010000 G(x):- (010 Remainder: - 00 0