```
CN-lab
Gele-2
```

Sadir Shrestha 1BM16CS142

a write a propram for our detection code using CRC-CCITT(16-bile)

include < stoles. h> whose m [50], § [50], x [50], q [50], temp [50]; void calleans (int): void we (unt); Void walkam (); Word shift 1 (); int main (Int n, i = 0; what ich, flag = 0. Print ("Enter the frame bite; "); while ((uh gets (stdis)) /= '(n') m[i++]=wh; のニッ fore (i=0; i<16; i++) on [n++]=10% . 101, = [w] we Printf ("Message after apponding 16 zeros: ". 5", on); for (i= 0; 1/16; 1++) 817= 60 8[0] = \$[4] = \$[11] = \$[16] = (1) , \$[17] = (0).

```
printf (" | n generalot: 1/05 \n", E).
 were (a).
 Printf(" | n ) n quotient: "/s \ n", 6).
 walkans (n);
 Print (" 10 tearsons thed fearne: 1.5", 00);
 Plints ("Forter beanson's ted frame: ");
Scarf (" | n%5", m);
 Ore (or):
Printf [" In In last roominder: "/05", 2).
 for ("= 0; 1 < 16; i++).
 if (401) 1 = '0')
Alag = 1:
clee
 continue.
  1f ( flag = 1)
Printf ["Error during transmission");
else
 saintf (" In In Recieved frame is correct ").
void ou (woil on)
fat? is
for [i= 0; ico ; i++)
bem p [i] = on [9];
                                 (2)
```

```
for (1=0; [216; 1++)
 七パラ=からう;
 Print f ["In intermediate remainder (n").
for (i=0; i2n-16; i++)
  If ( or COJ == (1))
 9.[i] = (1)
 walran (1);
 9[i]= '0';
 Shift 1();
 2[16] = on[17+97;
Se[17]=(10);
printf (" | on deconainder " d: " 5", "+ 1, 4);
for (j=0; j<=17; j++)
temp []] = 467.
9[0]-16]=(10)
Void walam ()
oit 1,1;
Ar Cie 17,12=16; 1++)
                             (2)
```

```
8=[1-1]=((virt) temp [i]-48) (( vint) & [2]-48)+48;
Void sheft 10
ont i;
int is
for ( = 1; i = 16; i++)
M (1-17 = R (17:
void caltrans (int o)
int i -, k=0;
for [i= n-16; i(n; i++)
an [i Je-> = ((int) on[i]-48) ((ont) 4 [k++]-48)+48.
 m[i]= (10);
```