CN - lab - 6 - Siddhartha

```c
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

char g[] = "1000100000011110", p[50], c[50];
int n1, n2;


void xor()
{   int j;
    j=0;
    while( j < n1)
    {   if ( c[i] == g[i])
        {
            c[i] = '0';
        } else {
            c[i] = '1';
        }
        j++;
    }
}

void crc() {
    int i, cnt;
    for(cnt=0 ; cnt < n1; cnt++)
    {
        c[cnt] = p[cnt];
    }
    else
    {   if(c[0] == '1')
        {   xor();
        }
```

```c
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    for (i = 0; i < n1-1; i++)
    {
        c[i] = c[i+1];
    }
    c[i] = p[cnt ++];
} while (cnt < n2 + n1);


void main ()
{   int i;
    print f ("enter code: ");
    scanf ("%s", p);
    n1 = too strlen (g);
    n2 = strlen (p);
    for (i = n2; i < n2; i++)
        p[i] = '0';
    crc ();
    printf ("cheeksum is: %s ", p);
    printf ("\t current code '%.", "g);
    for (i = n2; i < n2 + n1; i++)
    {
        p[i] = c[i - n2];
    }
    print f (" Transmitted code: ' \t", p);
    print f (" Re enter code  m.);
    scanf ("%s", p);
    crc ();
    for (i = 0; i < strlen (c); i++)
    {  if (c[i] == '1')
        {  printf ("Error !! ");
            exit (0);
        }
    }
}
```