Bit stuffing

#include "stdio.h"

int main()

{

int i=0,count=0;

char a[100];

printf("enter the bits : ");

scanf("%s",a);

printf("\nAfter bit stuffing \n");

printf("01111110");

for(i=0;a[i]; i++)

{

if(a[i]=='1')

count++;

else

count=0;

printf("%c",a[i]);

if(count==5)

{

printf("0");

count=0;

}

}

printf("01111110");

return 1;

}

OUTPUT

enter the bits : 0100111111001

After bit stuffing

011111100100111110100101111110