**Transmitter**

void usart\_transmit(unsigned char ch )

{

while ( !( UCSRA & (1<<UDRE)) );

UDR = ch;

}

interrupt [USART\_RXC] void myInterrupt(void)

{

int j=0;

//Get Character from UDR

mychar=getchar();

if(mychar=='5')

{

lcd\_clear();

lcd\_gotoxy(0, 0);

lcd\_puts("Transmitting");

for (j=0; j<strlen(loadData); j++)

{

usart\_transmit(loadData[j]);

}

usart\_transmit('4');

}

lcd\_clear();

lcd\_gotoxy(0, 0);

lcd\_putchar(mychar);

}

void main(void)

{

strcpy(loadData,"I had to say it");

}

**Receiver**

interrupt [USART\_RXC] void myInterrupt(void)

{

recData[i] = getchar(); //Get Character from UDR

if(recData[i]=='4')

{

recData[i]=0x00;

b=1;

}

i++;

if(i>=16)

{

i=0;

}

}

void main

{

while (1)

{

usart\_transmit('5');

while(b==0);

delay\_ms(1000);

if (b==1)

{

lcd\_clear();

lcd\_gotoxy(0, 0);

lcd\_puts(recData);

b=0;

i=0;

delay\_ms(2000);

}

}

}