```
//Slave - SPI
#include <xc.h>                                                    //include xc.h library
#define _XTAL_FREQ 20000000                                        //define frequency of crystal oscillator
#define led RD0                                                    //define RD0 as led
#define led1 RD1                                                   //define RD1 as led1
void main ()                                                       //start main ()
{
   TRISA=0x20;                                                     //configure RA5(SS) as output using TRIS register
   TRISC=0x18;
                                                                   //configure RB3 and RB4 as inputs and RB5 as output pins using TRIS register.
   TRISD=0x00;                                                     //make PORTD as output port.
   ADCON0=0x00;                                                    //configure ADCON0 as 0x00
   ADCON1=0x0f;      //configure ADCON1 as 0x0f in order to convert analog pin to digital pin
   SSPSTAT=0x40;         //configure SSPSTAT to clear sample bit and set CKE clock edge to 1
   SSPCON1=0x25;                                                   //configure SSPCON1 as 0x25.
   led1=0;                                                         //put led and led1 low initially
   led=0;
   while (1)
   {
      if (SSPBUF==0x01)              //if 0x01 is received and stored in SSPBUF, led must glow.
      {
         led=1;
      }
      else if (SSPBUF==0x02)         //if 0x02 is received and stored in SSPBUF, led1 must glow
      {
         led1=1;
      }
      else if(SSPBUF==0x03)  //if 0x03 is received by SSPBUF in slave both led's should glow.
     {
     led=1;
     led1=1;
     }
      else                                                         //if no data received keep led's low.
      {
         led1=0;
         led=0;
      }
    }
}
```