

## MIKROC C CODE

```
char dataRead;
void main() {

TRISB = 0X00;
PORTB = 0X00;

TRISD = 0XFF;
PORTD = 0XFF;

UART1_Init(9600);
Delay_ms(100);

while(1)
{

if(portd.f0 == 0)
{
portb.f0 = 1;
UART1_Write_Text("1");
delay_ms(200);
}else if(portd.f1 == 0)
{
portb.f1 = 1;
UART1_Write_Text("2");
delay_ms(200);
}else if(portd.f2 == 0)
{
portb.f2 = 1;
UART1_Write_Text("3");
delay_ms(200);
}
else
{
UART1_Write_Text("0");
portb= 0x00;
delay_ms(200);
}

}

}
```