

```
char dataRead;
void main() {

    TRISB = 0X00;
    PORTB = 0X00;

    UART1_Init(9600);
    Delay_ms(100);
    UART1_Write_Text("Press 1 for Red, 2 for Yellow and 3 for Green");
    UART1_Write(10);
    UART1_Write(13);

    while(1)
    {
        if(UART1_Data_Ready()==1)
        {
            dataRead = UART1_Read();
            switch(dataRead)
            {
                case '1':
                    portb.f0=1;
                    portb.f1=0;
                    portb.f2=0;
                    break;

                case '2':
                    portb.f0=0;
                    portb.f1=1;
                    portb.f2=0;
                    break;

                case '3':
                    portb.f0=0;
                    portb.f1=0;
                    portb.f2=1;
                    break;

                default:
                    portb=0x00;
                    break;

            }
        }
    }
}
```