

```
int main (void)    //Example 5
{setup_HW_Basic;   //Choose colour of static LED

    while (1) {
        while ((switch_1_up) && (switch_2_up));
        if (switch_1_down)
            {switch_LED_1;}
        else
            {switch_LED_2;}
        while (switch_3_up);}}

int main (void)    //Example 6 Random display
{ unsigned int PRN = 1;
  setup_HW_Basic;
  PRN = (PRN_8bit_GEN() % 50);
  Timer_T0_10mS_delay_x_m(PRN);

if (eeprom_read_byte((uint8_t*)(0x1FA))%2)
{LED_1_on;}
else {LED_2_on;}

eeprom_write_byte((uint8_t*)(0x1FA),
(eeprom_read_byte((uint8_t*)(0x1FA))+1));
SW_reset;}
```