Uloha 1

/\* uloha 1 \*/

RCC\_AHBPeriphClockCmd(RCC\_AHBPeriph\_GPIOA, *ENABLE*);

GPIO\_InitTypeDef gpioInitStruc;

gpioInitStruc.GPIO\_Mode = *GPIO\_Mode\_OUT*;

gpioInitStruc.GPIO\_OType = *GPIO\_OType\_PP*;

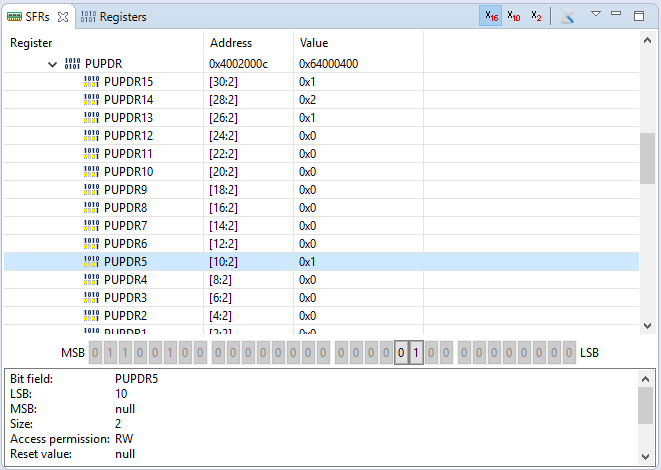
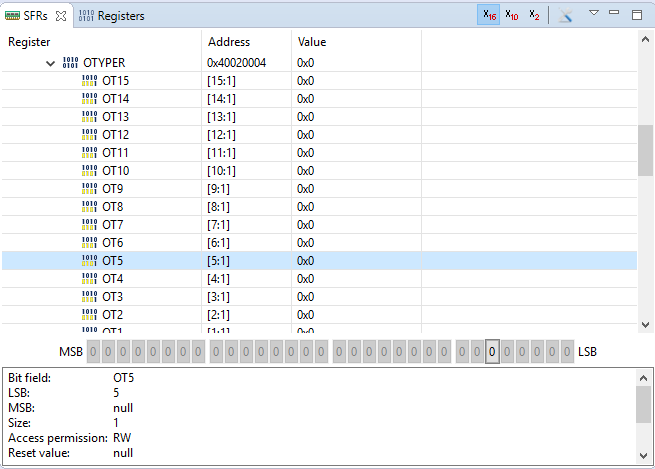
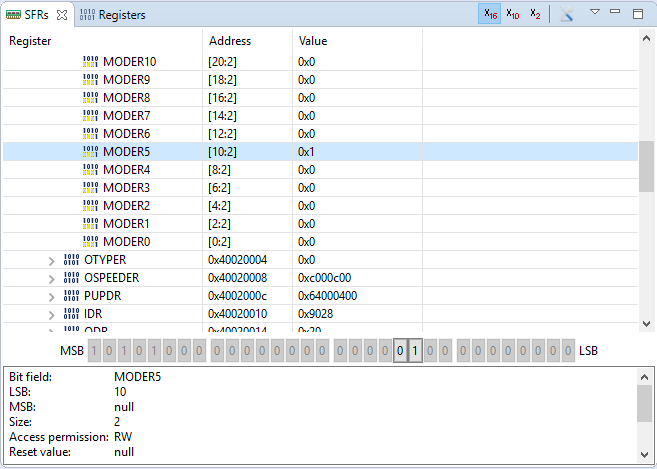
gpioInitStruc.GPIO\_PuPd = *GPIO\_PuPd\_UP*;

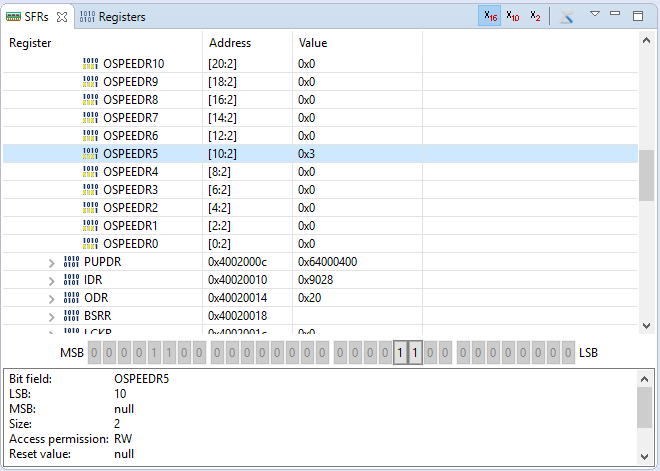
gpioInitStruc.GPIO\_Pin = GPIO\_Pin\_5;

gpioInitStruc.GPIO\_Speed = *GPIO\_Speed\_40MHz*;

GPIO\_Init(GPIOA, &gpioInitStruc);

GPIO\_SetBits(GPIOA, GPIO\_Pin\_5);





Uloha 2

/\* uloha 2 \*/

RCC\_AHBPeriphClockCmd(RCC\_AHBPeriph\_GPIOC, *ENABLE*);

gpioInitStruc.GPIO\_Mode = *GPIO\_Mode\_IN*;

gpioInitStruc.GPIO\_OType = *GPIO\_OType\_PP*;

gpioInitStruc.GPIO\_PuPd = *GPIO\_PuPd\_NOPULL*;

gpioInitStruc.GPIO\_Pin = GPIO\_Pin\_13;

GPIO\_Init(GPIOC, &gpioInitStruc);

**int** button;

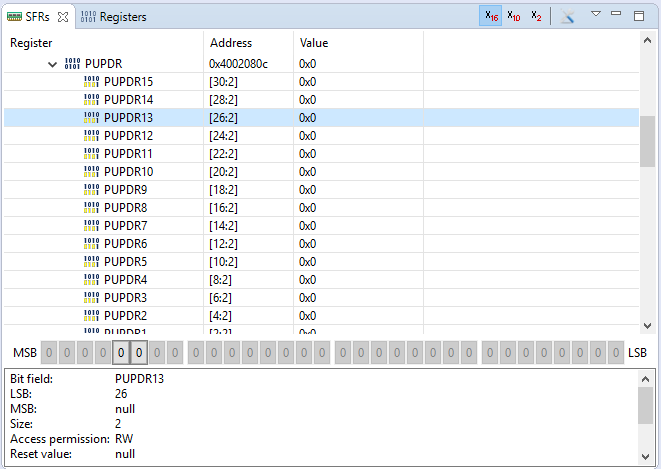
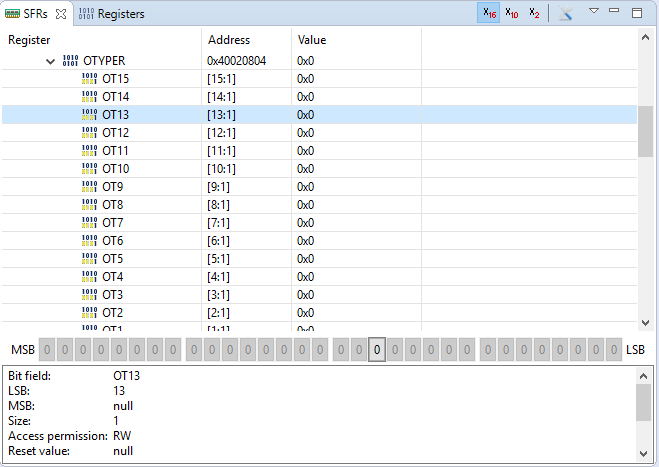
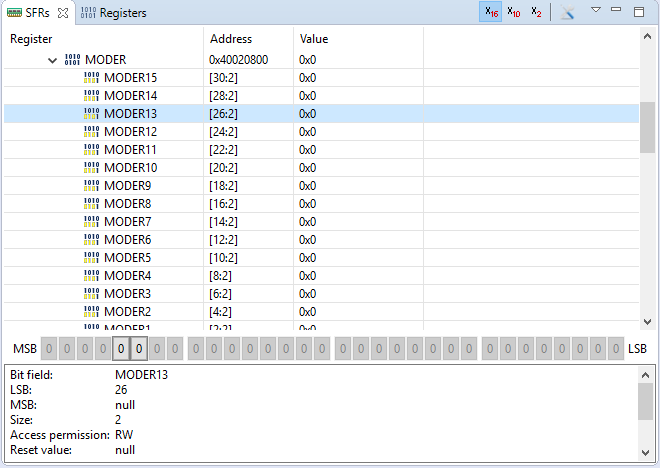
/\* uloha 2 v cykle while\*/

**if** ((GPIO\_ReadInputDataBit(GPIOC, GPIO\_Pin\_13)) == 0)

button = 1;

**else** **if** ((GPIO\_ReadInputDataBit(GPIOC, GPIO\_Pin\_13)) == 1)

button = 0;



Uloha 3

Prva

/\* uloha 3 prva cast \*/

GPIO\_SetBits(GPIOA, GPIO\_Pin\_5);

**for** (**int** c=1; c<= 1000; c++){

**for** (**int** d=1; d<= 1000; d++)

{}

}

GPIO\_ResetBits(GPIOA, GPIO\_Pin\_5);

**for** (**int** c=1; c<= 1000; c++){

**for** (**int** d=1; d<= 1000; d++)

{}

}

Druha

/\* uloha 3 druha cast \*/

**if** ((GPIO\_ReadInputDataBit(GPIOC, GPIO\_Pin\_13)) == 0){

GPIO\_SetBits(GPIOA, GPIO\_Pin\_5);

}

**else** **if** ((GPIO\_ReadInputDataBit(GPIOC, GPIO\_Pin\_13)) == 1) {

GPIO\_ResetBits(GPIOA, GPIO\_Pin\_5);

}

Tretia