به نام خدا

حدیث غفوری 9825413 سوال 1

```
#include <avr/io.h>

int main(void)

{
    unsigned int z;
    DDRB = 0xFF; // PORTB is output
    for (z = 0; z < 50000; z++)

{
        PORTB = 0x55;
        PORTB = 0xAA;

}

while (1)
;
return 0;
}</pre>
```

```
#include <avr/io.h>

void delay100ms(void)

{
    unsigned int i;
    for (i = 0; i < 42150; i++);
}

int main(void)

{
    DDRB = 0xFF; // PORTB is output
    while (1)
    {
        PORTB = PORTB | 0b00010000; // set bit 4(5th bit) of PORTB
        delay100ms();
        PORTB = PORTB & 0b11101111; // clear bit 4(5th bit) of PORTB
        delay100ms();
}

return 0;
}
</pre>
```

سوال 3

```
#include <avr/io.h>
#include <util/delay.h>

void delay_ms(int d)

{
    __delay_ms(d);

int main(void)

{
    DDRB = 0xFF; // PORTB is output
    while (1)

{
        PORTB = PORTB | 0b00010000; // set bit 4(5th bit) of PORTB
        delay_ms(100); // 100ms
        PORTB = PORTB & 0b11101111; // clear bit 4(5th bit) of PORTB
        delay_ms(100); // 100ms
}

PORTB = PORTB & 0b11101111; // clear bit 4(5th bit) of PORTB
        delay_ms(100); // 100ms
}

return 0;

return 0;
```

```
سوال 4
```