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;>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
;1DT301, Computer Technology I
;Date: 2019-09-09
;
;Author:
;   Student name 1:          Einar van de Velde
;   Student name 2:          Abdulla Mehdi
;
;Lab number:          1.
;Title:                    Task 1.
;
;Hardware:                STK600, CPU ATmega2560.
;
;Function:         Light LED 2.
;
;Input ports:          None.
;
;Output ports:             On-board LEDs connected to PORTB.
;
;Subroutines:            None.
;
;Included files:           m2560def.inc
;
;Other information:
;Changes in program:
;     File Created (2019-09-09)
;
;<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
.include "m2560def.inc"

ldi r16, 0xFF               ;Set the Data Direction Register as MAXimum (255).
out DDRB, r16               ;Set B Port as output Port.

;The LEDs behave in opposite to regular lights
;thus 0 equals on and 1 equals off.
ldi r16, 0b1111_1011        ;Set LED2 (0) as on.
out PORTB, r16
```