.nolist ; Turn listfile generation OFF

 .device attiny2313 ; Set device to ATTiny2313

 .include "tn2313def.inc" ; Include file for ATTiny2313

 .list ; Turn listfile generation ON

 .def temp = R16

 .equ Tx = PB4

 .cseg

 .org 0x00

 rjmp on\_reset ; Relative jump to "on\_reset"

 on\_reset:

 ldi temp, ( 1 << Tx) ; Load immediate temp with Tx as 1

 out DDRB, temp ; Configure Port B with Tx as output using temp

 ldi temp, ( 0 << Tx) ; Load immediate temp with Tx as 0

 out PORTB, temp ; Output temp on Tx

 main\_loop:

 ldi temp, (1 << Tx) ; Load immediate temp with Tx as 1

 out PORTB, temp ; Output temp on Tx

 //rjmp delay1

 ldi temp, ( 0 << Tx) ; Load immediate temp with Tx as 0

 out PORTB, temp ; Output temp on Tx

 rjmp delay2

 rjmp main\_loop ; Relative jump back to beginning of main loop

 delay1:

 ldi temp, 230

 delay1\_loop:

 dec temp

 brne delay1\_loop

 ret

 delay2:

 ldi temp, 1

 delay2\_loop:

 dec temp

 brne delay2\_loop

 ret