EE 2905

Dr. Johnson

Program 7

No capabilities beyond those discussed in class or in the notes are allowed

1) Create a Ticker based ISR to toggle an output pin (D4) every half second (use a #define to set the ½ second value)
2) Implement the circuit with D4(output) tied to D5(input)
3) Create an InterruptIn based ISR to toggle a second output pin (D6) on every falling edge of D5
4) In your main loop, check the value of the D6 output every 0.1sec and print a 1 or 0.

Provide a screenshot of 2 cycles of the D6 output

Ticker ⟶ D4

D5 ⟶ InterruptIn

D6