

## 1 Pre-Check

This section is designed as a conceptual check for you to determine if you conceptually understand and have any misconceptions about this topic. Please answer true/false to the following questions, and include an explanation:

1.1 Polling and interrupts are only relevant concepts for low level programming.

False. Similar concepts apply to almost all types of applications, including web apps, mobile apps, distributed systems, and so on.

1.2 Memory-mapped IO only works with polling.

False. The implementation backing the memory mapping can use interrupt-driven IO (for example, reading files).



```
transmit_wait: lw t1 8(t0)          # poll on ready of transmitter
                andi t1 t1 1
                beq t1 x0 transmit_wait # write to transmitter
                sb t2 12(t0)
```