

Robots require "real time" operation  
 ↳ responses to external inputs must be completed by time deadlines

one way (how most of you have)  
 ↳ polling (ask is input true/false)  
 - every iteration  
 - bad because other operations can't be completed during polling  
 - all inputs are equal

↳ interrupts  
 - hardware designed to stop CPU and deal with external input

normal operation unless input received.

Ex: see IDE

Other useful tools for your programs  
 Timers, time out, ticker

Ex: see IDE

Timer → can set a running timer you can poll

Timeout → perform an action a specified time after external stimulus

Ticker → sets a recurring interrupt

can use these tools to complete a variety of robot tasks  
 ↳ might brainstorm with your group how these could be used in your code