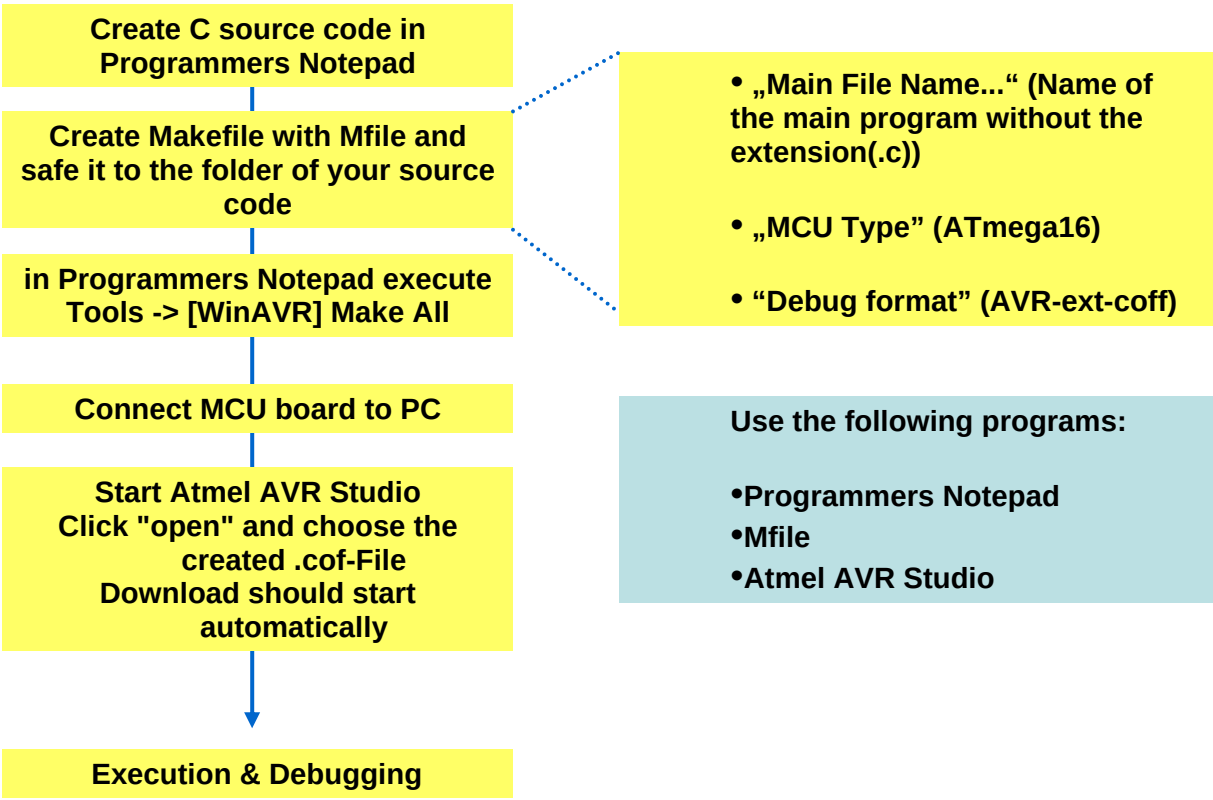Programming the AVR microcontroller in C using WINAVR.