Instruction to setup ATMEGA328P in breadboard

Step1: Setup the microcontroller clock and biasing circuit as shown in the figure above.

(*Note: Please remember the pin number, not the layout in above picture)

Step2: Connect pin 7 to VCC and pin 8 to GND.

(At this point Atmega328p is ready to be programmed)

To program the microcontroller we need to connect USB AVRISP to the microcontroller using following steps:

Step1: Find the small ▼ in the FRC cable, the pin below triangle symbol is MISO(Pin 18), (follow the lab manual to find other pin)

Step2: Use jumper wire and header pins to connect the FRC cable to respective pins in microcontroller.

Step3: You can now program the microcontroller with AVR Studio.