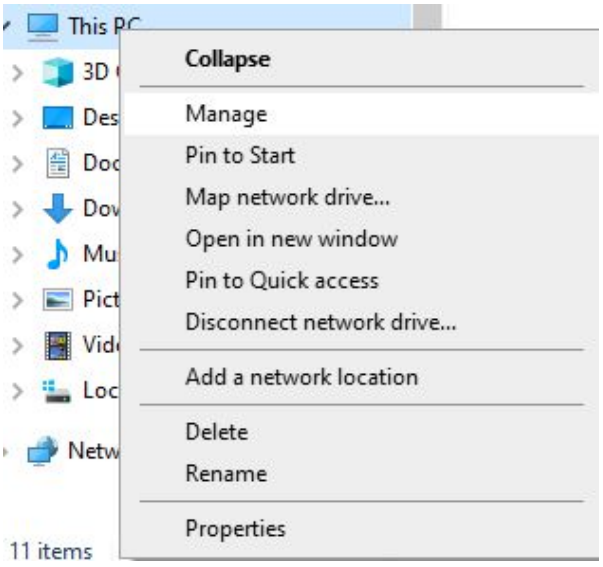
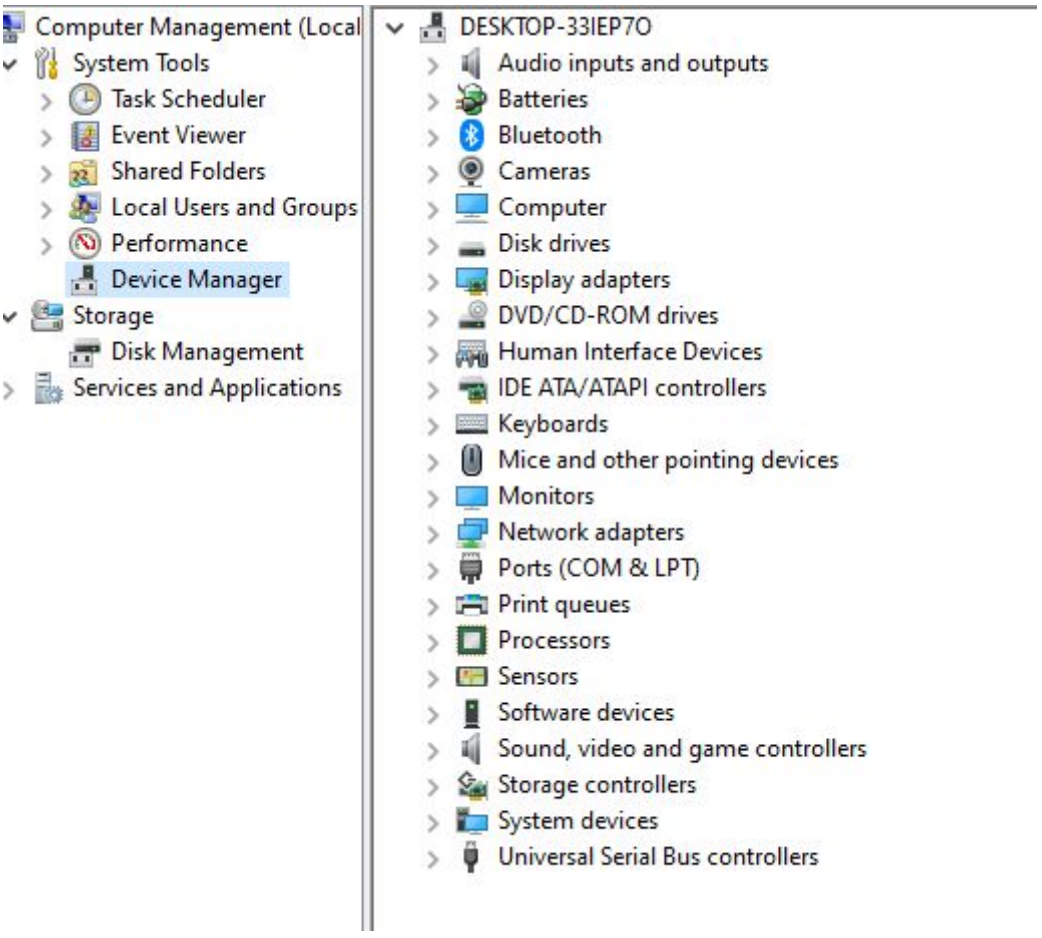
Atmel Studio 7.0

Setup en Windows10

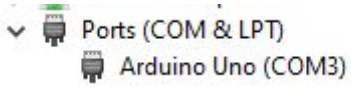
1. Bajar e instalar AS7 desde https://www.microchip.com/mplab/avr-support/atmel-studio-7
.

2. Conectar la placa Arduino a la PC. Ir a la parte de Manage (Administrar) -> Device Manager

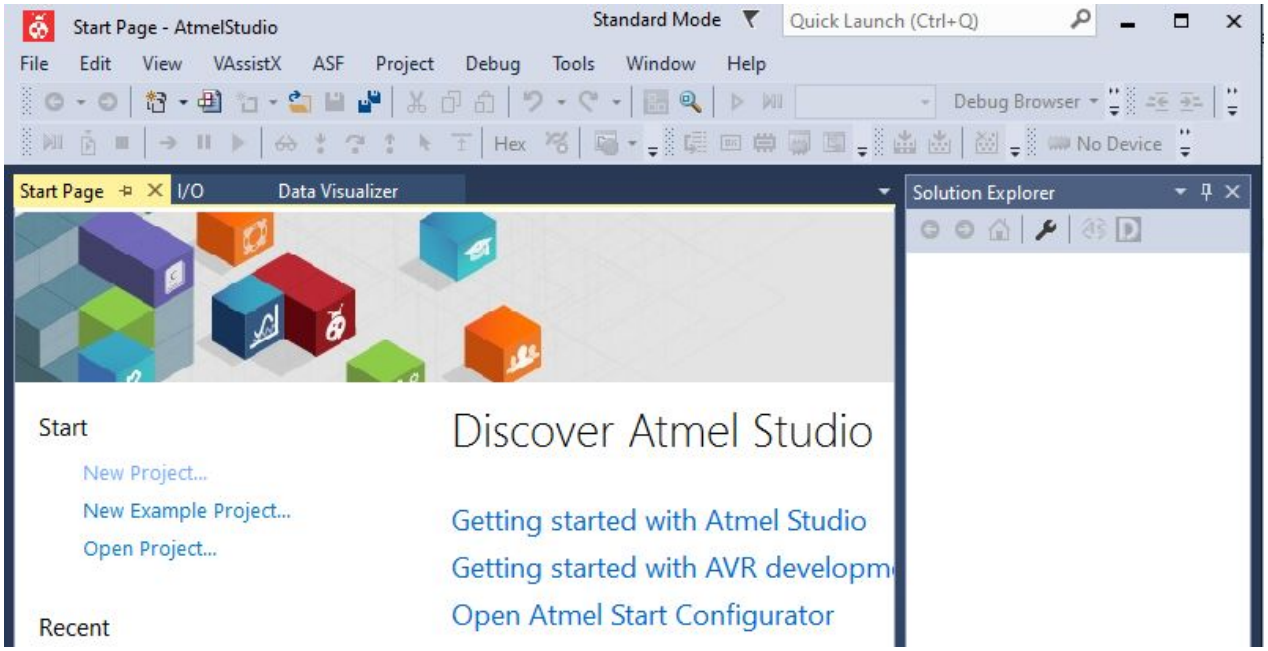




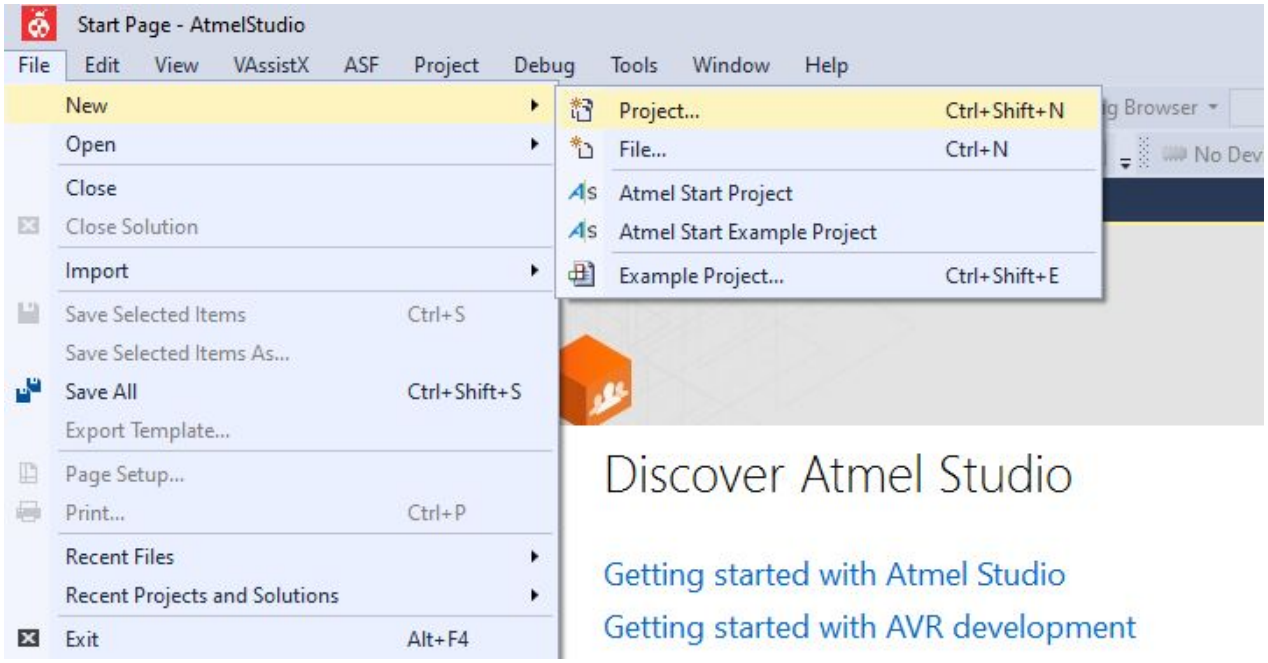
3. Investigar a que puerto se ha asignado la placa arduino para configurar las tools

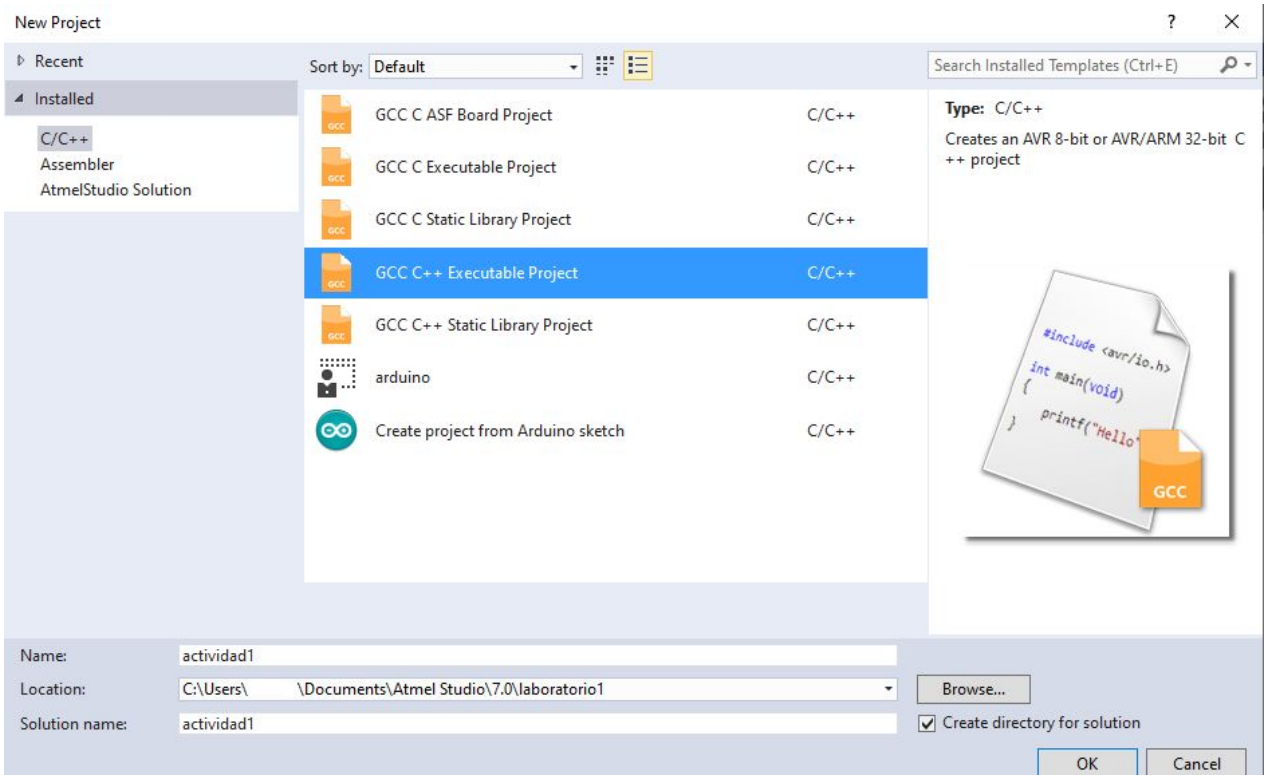


4. Abril el entorno de Atmel Studio

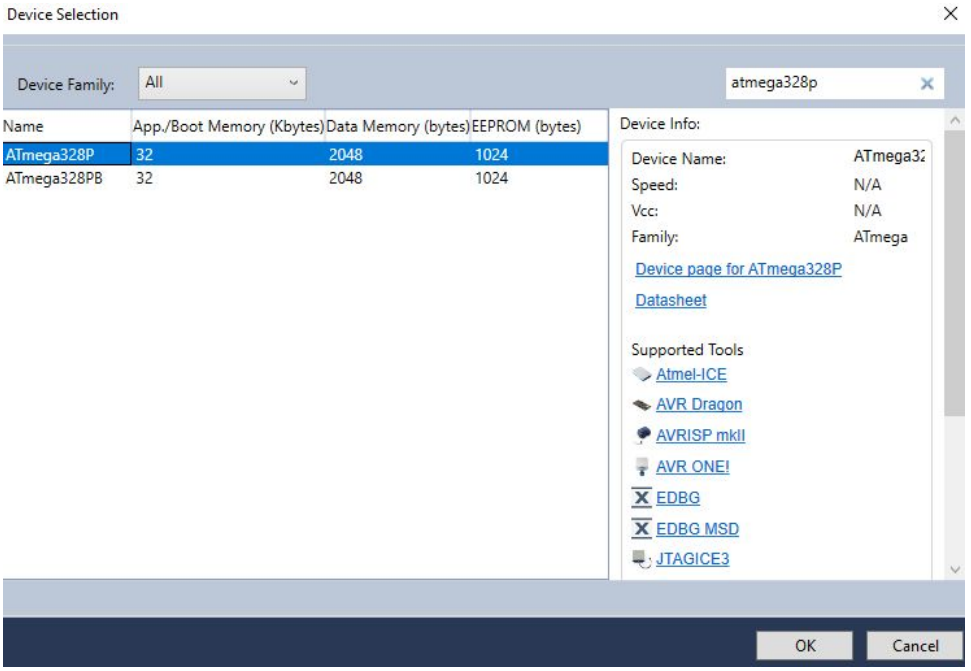


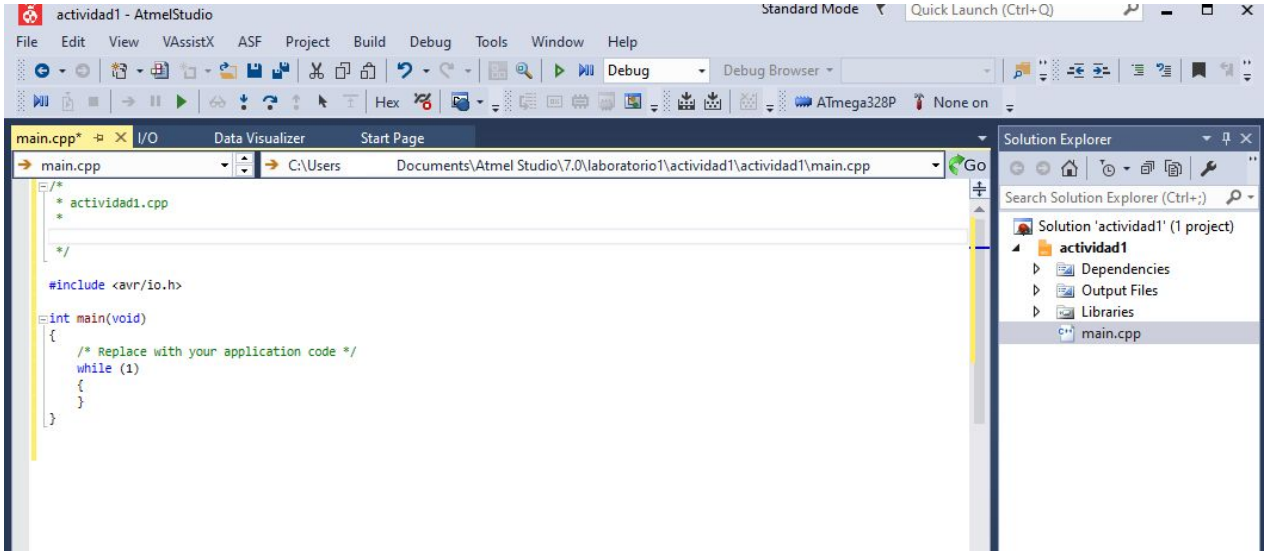
5. Crear un nuevo proyecto. Ir a File -> New -> Project



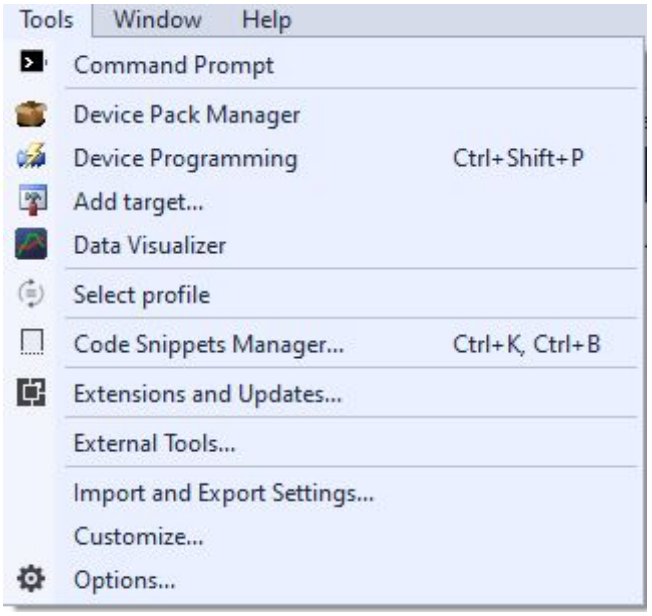


6. Seleccionar el microcontrolador atmega328p



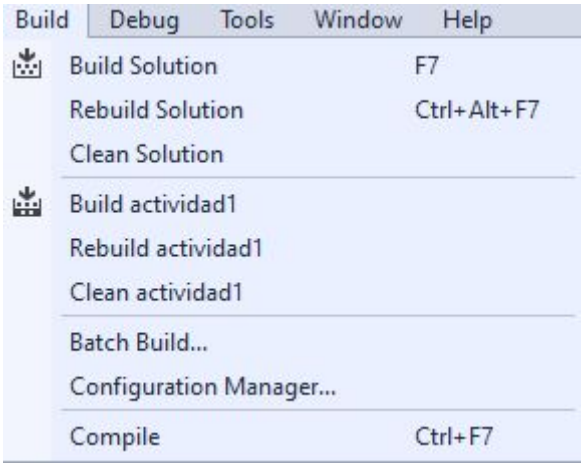


7. Configurar las External tools para volcar en el Atmega328p. Ir a Tools -> External Tools



-> **Titulo** -> Arduino
-> **Command** -> C:\Program Files(x86)\Arduino\hardware\tools\avr\bin\avrdude.exe
-> **Argument** -> -C "C:\Program Files(x86)\Arduino\hardware\tools\avr\etc\avrdude.conf" -patmega328p -carduino -P**COM3** -b115200 -D -Uflash:w:$(TargetDir)$(TargetName).hex:i
-> Use output windows

8. Compilar. Ir a Build -> Build Solution



9. Si el proyecto es exitoso debería ver en la salida el siguiente mensaje

```
Build succeeded.
========== Build: 1 succeeded or up-to-date, 0 failed, 0 skipped ==========
```

10.Volcar a la placa Arduino. Ir a Tools -> Arduino