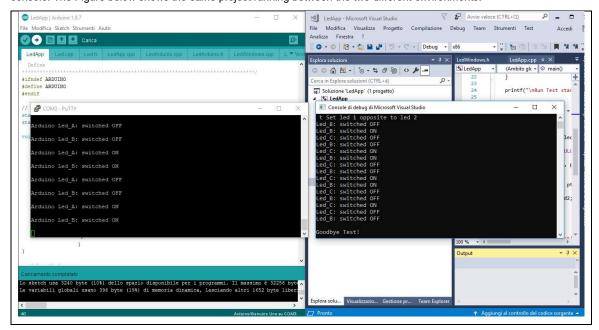
LedArduino project note: from previous project have been added LedArduino.h/cpp files (for LedArduino class) and the main file LedApp.ino with led resources allocation, Init and Run routines call.

- the LedArduino class, contains the digital_output private member. If a single led is not considered a shared resource, it should
 not exist 2 instances of LedArduino class that owns the same digital_output (anyway this consistency control has not been
 introduced);
- inside the doSwitch* methods, some trace debug messages have been added;
- the same project compiles with both Visual Studio and Arduino IDE; it has been defined "ARDUINO" symbol in combination with compilation switches;
- the Arduino sketch has been tested on real target (Arduino UNO) using the internal led on pin 13 and debug trace on PuTTY
 console. The Figure below shows the same project running between the two different environments:



• from previous project implementation, the method Toggle() is inherited by base class Led:

```
// Toggle the led status
void Led::Toggle()
{
    if (m_state == Status::On)
        {
            doSwitchOff();
        }
        else
        {
            doSwitchOn();
        }
}
```

this method performs the real hardware toggling (into doSwitch* methods of *LedArduino* class) using the "simulated" status led feedback (*m_state*). In order to use the real led feedback, the *Toggle* method of *Led* class should be override.

(this variant has been tested but modification is not contained in the actual project)

- a LedArduino class can be instantiated and simulated also by LedApp.cpp module;
- inside Init and Run routines is performed the late binding.