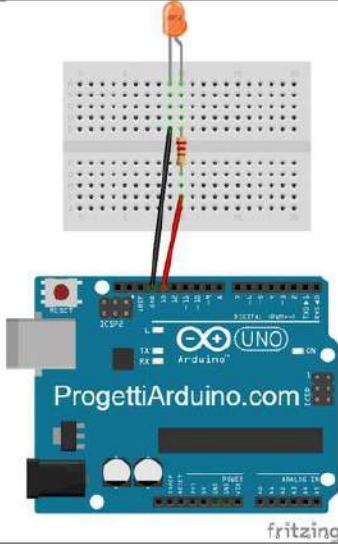
	<b>School of Science and Technology</b> <b>Computer Science</b> <b>Embedded Systems Architecture</b> <i>Prof. Lorenzo Morresi</i>	MSc in Computer Science (LM-18) A.A. 2019-2020
<b>Project Title</b>	<b>BLINKING LED</b>	Sheet ARDUINO n_1
<b>Description</b>	Make a sketch in C language that allows to Arduino UNO board to turn on or off one or more LED diodes at predefined time intervals.	
<b>Necessary materials</b>	ARDUINO UNO board 1 LED 1 resistor - 220 Ω	
<b>Sketch</b>	<pre>#define LED 13      // LED collegato al pin digitale 13  void setup() {   pinMode(LED, OUTPUT); // imposta il pin digitale come output }  void loop() {   digitalWrite(LED, HIGH); // accende il LED   delay(1000);           // aspetta un secondo   digitalWrite(LED, LOW); // spegne il LED   delay(1000);          // aspetta un secondo }</pre>	
<b>Pictorial /Schematic</b>		
	Refer to all the instructions reported in the Lecture_#16	
<b>Try to</b>	Change the blink time both synchronously and asynchronously between the on and off phases	
<b>Try to</b>	Make both sketch and electronic circuit to alternately blink two LEDs	
<b>Try to</b>	Make both sketch and electronic circuit to alternately blink three LEDs	
<b>Try to</b>	Insert a push button to control the lighting of a LED	
<b>Try to</b>	Make a sketch to control the fading of a LED	