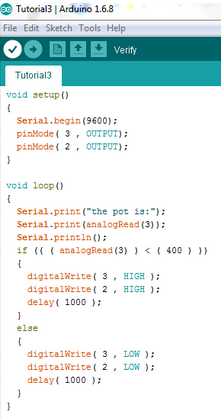
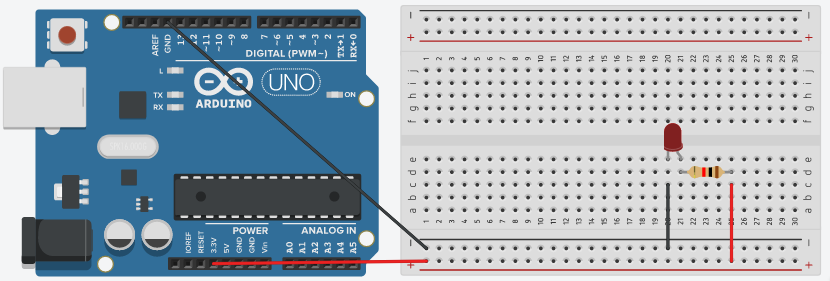
**iCREAT I: Module 4 - Introduction to Programming using TinkerCAD, Arduino Sketches, LEDs, LDR and Potentiometer**



# horizontal line

# Objectives

* Develop problem solving and logical thinking skills
* Work individually and in teams to complete short programming projects

# Activities

* Write simple programs to control components.
* Use TinkerCAD and Arduino sketches to program a robotic artifact made of electro-mechanical components.

# 

# TABLE of CONTENT: Module 4

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Topic** | **Activities** | **Faculty** |
| **Module 4** | | | |
| 1 | **More Electronic Components: the LDR and Potentiometer** | Present: ***iCREAT I - Module 4 - Electronic Components II*** |  |
| 2 | **Coding with Arduino II** | Present: ***iCREAT I - Module 4 - Coding with Arduino II*** |  |
| 3 | **LAB** | LAB: **iCREAT I - Module 4 - LAB 1: The Arduino and Sensors** |  |
| 4 | **Homework** | HOMEWORK: **iCREAT I - Module 4 - Homework: Arduino Sensors Potentiometer** |  |
| 5 | **To prepare for the next Module, watch videos and take notes** | **Videos for Module 5: Study Ultrasonic Sensor** |  |