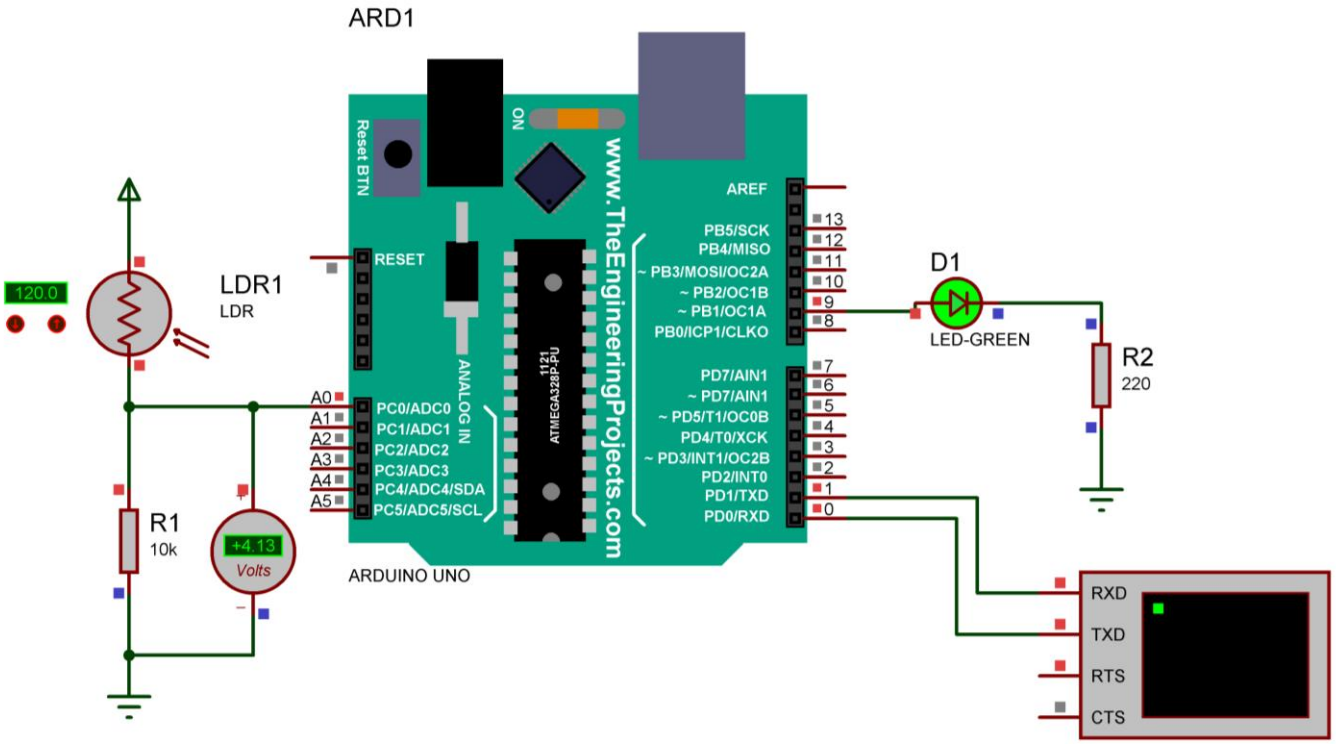
AKDENİZ UNIVERSITY
CSE 211 – Digital Design

LAB 04 – Assignment



The Arduino circuit above consists of following components:

- And LDR (Light Dependent Resistor) sensor which's resistance value changes with light intensity.
- A virtual Terminal to monitor the data acquired from serial port.
- A Led

Write an Arduino code that turns the LED on if the light intensity is lower 100 and turns the LED off if it is higher than 100 (Led intensity is the number just left side of the LDR sensor that you can change the value with the arrows). Virtual terminal must show the analog value at A0 pin and the status of the led continuously as shown below.

IMPORTANT: Use the same circuit configuration (pin numbers, resistor values etc.) for me to check your code in my Proteus project. Otherwise, your work will not be evaluated.