Download the program "Pool control and alarm system" to the Arduino controller, connect the controller to a voltage of five volts.

The serial monitor will print the temperature and the button state.

Expected system operations cycle:
1. When the temperature is low (under 28 Celsius degrees) – If the button state is off then The LCD screen will display the following massage: "Have a nice tan!", if the button state is on then Additionally the servo engine will start running.
2. When the temperature is medium (between 28 and 33 Celsius degrees) – The servo engine will start running and the LCD screen will display the following massage: "Put sunscreen!".
3. When the temperature is high (above 33 Celsius degrees) - The servo engine will start running, red led will turn on and the LCD screen will display the following massage: "Sit in the shade".