Scenario

The aim behind this scenario is to explain the idea of using ModBus Control Master/Slave protocol. The figure bellow illustrates the process how to send data from computer (Master) into Arduino (Master), Arduino (Master) into Arduino (Slave), and from Arduino (Slave) into other slaves.

In this experiment we have a modBus cable connected between computer and Arduino 1. A Led connected with Arduino 1 (if Led is “ON” means that the data received from Arduino 2). Also we have an object installed on a servo motor that connected to Arduino 2. This object could be any object that reflects the signals of Ultrasonic sensor. The distance between the object and the sensor will be showed on LCD that also connected to Arduino 2.



