**start** / power-on / reset

**setup ( )**

* Begin the serial signal 9600
* Assign inputs and outputs
* Attach servo pin

**loop ( )**

* Checks for correct keypad password
* Checks if the alarm is on
* Reads the value of the PIR sensor
* Displays to the serial monitor the value of the PIR and the state of the alarm
* If the value of the PIR is high turn the lights on
* while the state of the alarm is also on, then ring the alarm
* if the value of the PIR is low turn the lights off
* Define Libraries and headers
* Assign pins to each component
* Define global variables and assign values for the keyboard an alarm
* Define servo from using the servo library