Project script

- At first, assume you have a home that you need to enter garden.
- You need to control the opening and closing process of the main door of a home using Two IR sensors (one on each side of the door) to detect if someone is near the door and open the door in the opposite direction of the person (use a servo motor to control the door).
 - O Secondly, assume you have a home that you need to keep secure.
 - required to give access to the whole home (use a keypadto enter the password):
 - If you enter a wrong password: turn on an alarm (use buzzer) and print "Wrong password" on LCD until you enter the correct password
 - If you enter a correct password: turn on a green LED and print "Welcome Home" on LCD.
 - Third, if you enter the correct password,
 - Use a temperature sensor to control the temperature to stay less than 25 °c (or any suitable threshold):
 - If the temperature is more than the threshold: turn on a fan (use a dc motor) until the temperature is below 25°c (the threshold) and then turn off the fan.
 - If the temperature is more than 35°c (another threshold): turn on an alarm (use another buzzer) and turn it off manually (use a push button)

Note: Print the temperature on LCD in all the previous case

 Use LDR to control 2 LEDs brightness level according to the sunlight and print the LEDS brightness level on LCD

Note

- ✓ You can use analog pins as a digital output
- ✓ You can use keypad with 2 rows*2 columns only