```cpp
#include <iostream>
#include <string>

class SmartLight {
public:
    void turnOn() {
        std::cout << "Light is turned ON." << std::endl;
    }

    void turnOff() {
        std::cout << "Light is turned OFF." << std::endl;
    }

    void dim(int level) {
        std::cout << "Light dimmed to " << level << "%" << std::endl;
    }
};

class SmartThermostat {
private:
    int temperature;

public:
    SmartThermostat() : temperature(22) {} // Default temperature

    void setTemperature(int temp) {
        temperature = temp;
        std::cout << "Temperature set to " << temperature << "°C" << std::endl;
    }

    int getTemperature() {
```

```cpp
        return temperature;
    }
};


class SmartSecurity {
private:
    bool isLocked;


public:
    SmartSecurity() : isLocked(true) {} // Default state is locked


    void lock() {
        isLocked = true;
        std::cout << "Door is locked." << std::endl;
    }


    void unlock() {
        isLocked = false;
        std::cout << "Door is unlocked." << std::endl;
    }


    bool checkStatus() {
        return isLocked;
    }
};


class SmartHome {
private:
    SmartLight light;
    SmartThermostat thermostat;
    SmartSecurity security;
```

```cpp
public:
    void controlLight(bool turnOn, int dimLevel = 100) {
        if (turnOn) {
            light.turnOn();
            light.dim(dimLevel);
        } else {
            light.turnOff();
        }
    }

    void controlThermostat(int temp) {
        thermostat.setTemperature(temp);
    }

    void controlSecurity(bool lock) {
        if (lock) {
            security.lock();
        } else {
            security.unlock();
        }
    }

    void getSecurityStatus() {
        if (security.checkStatus()) {
            std::cout << "The door is currently LOCKED." << std::endl;
        } else {
            std::cout << "The door is currently UNLOCKED." << std::endl;
        }
    }
};
```

```cpp
int main() {

    SmartHome myHome;


    myHome.controlLight(true, 75); // Turn on light and dim to 75%

    myHome.controlThermostat(20);   // Set temperature to 20°C

    myHome.controlSecurity(false);   // Unlock the door

    myHome.getSecurityStatus();     // Check security status


    return 0;
}
```