

```

import 'dart:io';

void main() {
  bool lightsOn = false;
  double thermostatTemp = 20.0;
  bool securityArmed = false;

  print('Welcome to the Smart Home System!');

  while (true) {
    print('\n1. Toggle lights\n2. Set thermostat\n3. Security system\n4. View status\n5. Exit');
    stdout.write('Enter choice: ');
    String? choice = stdin.readLineSync();

    if (choice == '1') {
      lightsOn = !lightsOn;
      print('Lights ${lightsOn ? 'ON' : 'OFF'}');
    } else if (choice == '2') {
      stdout.write('Set temperature (15-30): ');
      double? temp = double.tryParse(stdin.readLineSync() ?? '');
      if (temp != null && temp >= 15 && temp <= 30) {
        thermostatTemp = temp;
        print('Thermostat set to $temp°C');
      }
    } else if (choice == '3') {
      securityArmed = !securityArmed;
      print('Security ${securityArmed ? 'ARMED' : 'DISARMED'}');
    } else if (choice == '4') {
      print('\nLights: ${lightsOn ? 'ON' : 'OFF'}');
      print('Thermostat: ${thermostatTemp}°C');
      print('Security: ${securityArmed ? 'ARMED' : 'DISARMED'}');
    } else if (choice == '5') {
      print('Goodbye!'); break;
    }
  }
}

```