1.
input command: define house house1
****
The house defined! House name is "house1"
****
2.
input command: define occupant joe_smith type adult
****
Name: joe_smith Type: adult defined!
****
3.
input command: define room dining_room2 floor 1 type dining_room2 house house1
****
The Room has been created! Name is dining_room2; floor is 1; type is dining_room2; In house1
****
4.
input command: define sensor ava2 type Ava room house1:dining_room2
****
the Ava has been defined.Name of Avais ava2, in Room Name is dining_room2; floor is 1; type is dining_room2; In house1
****
5.
input command: define appliance thermostat1 type thermostat room house1:dining_room2
****
Thermostat has been defined.The name of the thermostat is thermostat1, It is in Room Name is dining_room2; floor is 1; type is dining_room2; In house1
****
6.
input command: define appliance oven1 type oven room house1:dining_room2
****
Oven has been defined.The name of the oven is oven1, It is in Room Name is dining_room2; floor is 1; type is dining_room2; In house1
****
7.
input command: define appliance door1 type door room house1:dining_room2
****
Door has been defined.The name of the door is door1, It is in Room Name is dining_room2; floor is 1; type is dining_room2; In house1
door1 in house1:dining_room2 is close
****
8.
input command: define appliance door2 type door room house1:dining_room2
****

Door has been defined.The name of the door is door2, It is in Room Name is dining_room2; floor is 1; type is dining_room2; In house1

door2 in house1:dining_room2 is close

****

9.

input command: define appliance light1 type light room house1:dining_room2

****

Light has been defined.The name of the light is light1, It is in Room Name is dining_room2; floor is 1; type is dining_room2; In house1

light1 in house1:dining_room2 is OFF

****

10.

input command: define appliance light2 type light room house1:dining_room2

****

Light has been defined.The name of the light is light2, It is in Room Name is dining_room2; floor is 1; type is dining_room2; In house1

light2 in house1:dining_room2 is OFF

****

11.

input command: set sensor house1:dining_room2:ava2 status LISTENING value "joe_smith says: 'open door'"

****

door2 in house1:dining_room2 is open

door1 in house1:dining_room2 is open

****

12.

input command: set sensor house1:dining_room2:ava2 status LISTENING value "joe_smith says: 'close door'"

****

door2 in house1:dining_room2 is close

door1 in house1:dining_room2 is close

****

13.

input command: set sensor house1:dining_room2:ava2 status LISTENING value "joe_smith says: 'lights on'"

****

light1 in house1:dining_room2 is ON

light2 in house1:dining_room2 is ON

****

14.

input command: set sensor house1:dining_room2:ava2 status LISTENING value "joe_smith says: 'lights off'"

****

light1 in house1:dining_room2 is off

light2 in house1:dining_room2 is off
****
15.
input command: set sensor house1:dining_room2:ava2 status LISTENING value "joe_smith says: 'thermostat temperature 70'"
****
The temperature of the thermostat1 is now 70
****
16.
input command: set sensor house1:dining_room2:ava2 status LISTENING value "joe_smith says: 'oven power on'"
****
The power status of the oven is now on
****
17.
input command: set sensor house1:dining_room2:ava2 status LISTENING value "joe_smith says: 'oven temperature 350'"
****
The temperature of the oven is now 350
****
18.
input command: set sensor house1:dining_room2:ava2 status LISTENING value "joe_smith says: 'oven timetocook 45'"
****
Time to cook of the oven is now 45