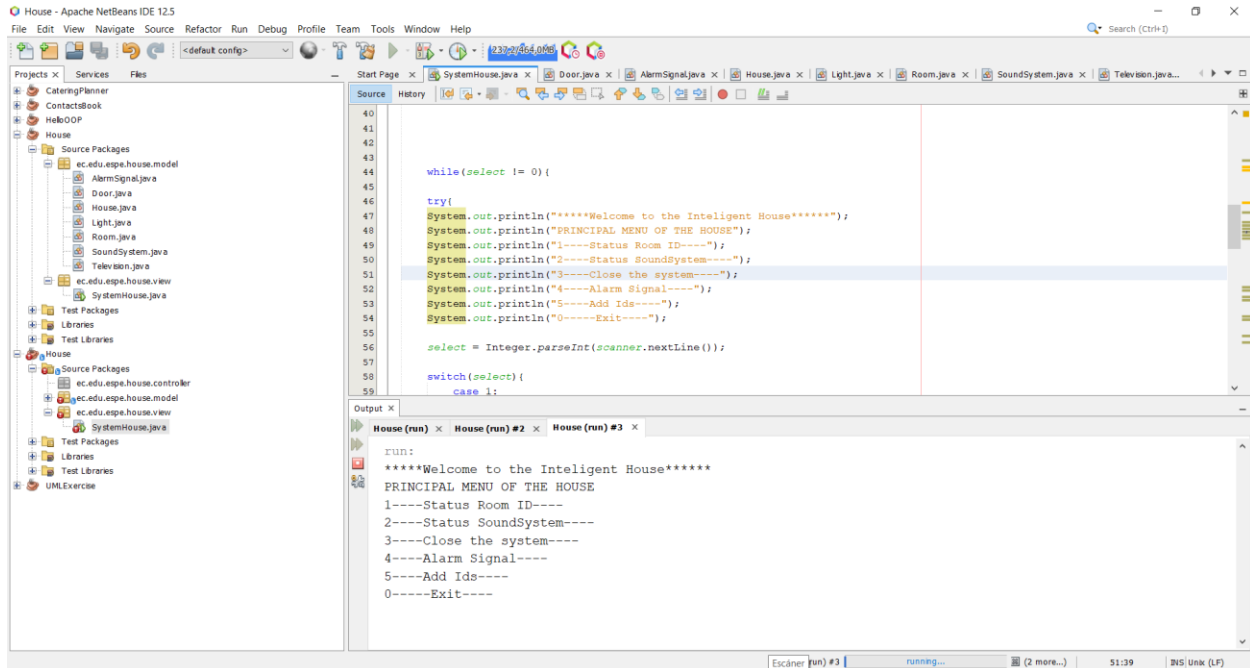


HW07-ARRAY LIST FROM THE PROJECT

DATE: 12th december 2021

3 ALVAREZ RAMIREZ MICHELLE ESTEFANIA



House - Apache NetBeans IDE 12.5

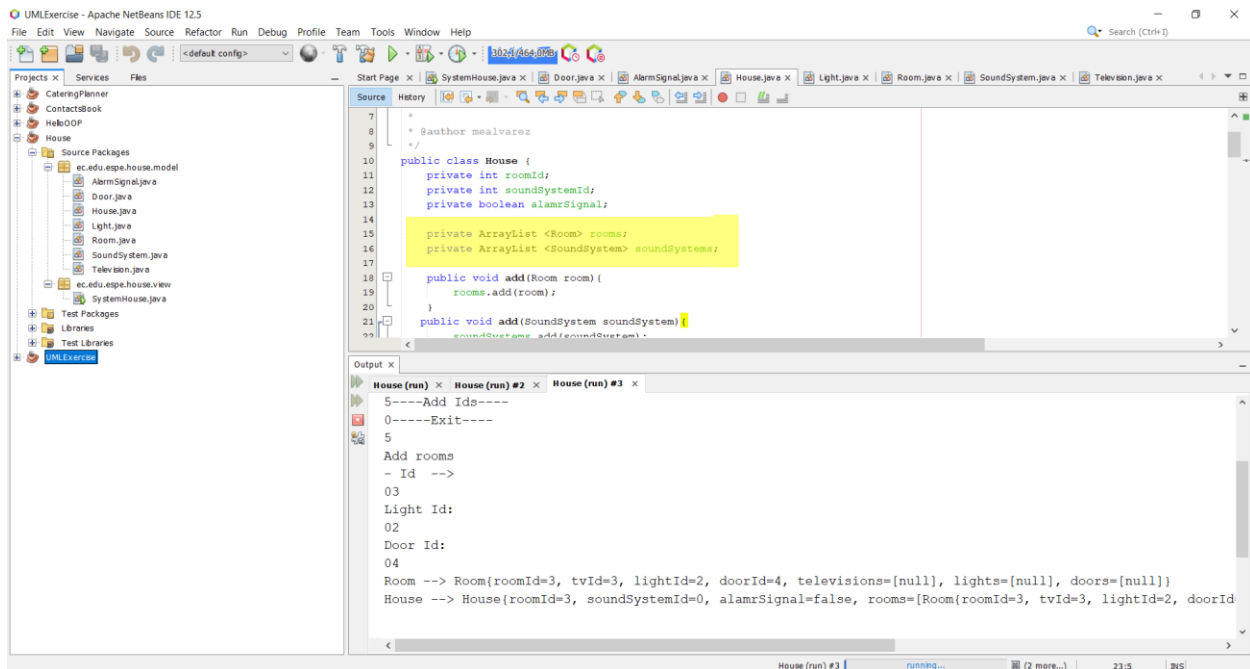
```
40
41
42
43
44 while(select != 0){
45
46     try{
47         System.out.println("*****Welcome to the Intelligent House*****");
48         System.out.println("PRINCIPAL MENU OF THE HOUSE");
49         System.out.println("1----Status Room ID----");
50         System.out.println("2----Status SoundSystem----");
51         System.out.println("3----Close the system----");
52         System.out.println("4----Alarm Signal----");
53         System.out.println("5----Add Ids----");
54         System.out.println("0-----Exit-----");
55
56         select = Integer.parseInt(scanner.nextLine());
57
58         switch(select){
59             case 1:
```

Output X

House (run) x House (run) #2 x House (run) #3 x

run:

```
*****Welcome to the Intelligent House*****
PRINCIPAL MENU OF THE HOUSE
1----Status Room ID----
2----Status SoundSystem----
3----Close the system----
4----Alarm Signal----
5----Add Ids----
0-----Exit-----
```



UMLExercise - Apache NetBeans IDE 12.5

```
7
8 *
9 * @author mealvarez
10 */
11 public class House {
12     private int roomId;
13     private int soundSystemId;
14     private boolean alarmSignal;
15
16     private ArrayList<Room> rooms;
17     private ArrayList<SoundSystem> soundSystems;
18
19     public void add(Room room) {
20         rooms.add(room);
21     }
22     public void add(SoundSystem soundSystem) {
23         soundSystems.add(soundSystem);
24     }
25 }
```

Output X

House (run) x House (run) #2 x House (run) #3 x

5----Add Ids----

0-----Exit-----

5

Add rooms

- Id -->

03

Light Id:

02

Door Id:

04

Room --> Room(roomId=3, tvId=3, lightId=2, doorId=4, televisions=[null], lights=[null], doors=[null])

House --> House(roomId=3, soundSystemId=0, alarmSignal=false, rooms=[Room(roomId=3, tvId=3, lightId=2, doorId=4, televisions=[null], lights=[null], doors=[null])])