

Here, we are using an array to create a representation of a Hotel with 6 rooms (0-5) . The customer name is recorded when a room is occupied.

```
package arrays;
import java.util.*;
public class HotelExample
{
public static void main(String[] args)
    {
        Scanner input = new Scanner(System.in);
        String roomName;
        int roomNum = 0;
        String[] hotel = new String[7];
        //for (int x = 0; x < 6; x++ ) hotel[x] = "";
        //initialise
        initialise(hotel); //better to initialise in a
        procedure
        while ( roomNum < 6 )
        {
            for (int x = 0; x < 6; x++ )
            {
                if (hotel[x].equals("e"))
                    System.out.println("room " + x + " is
empty");
            }
            System.out.println("Enter room number (0-5) or
6 to stop:" );
            roomNum = input.nextInt();
            System.out.println("Enter name for room " +
roomNum + " :" );
            roomName = input.next();
            hotel[roomNum] = roomName ;
        }
    }
}
```

```
        for (int x = 0; x < 6; x++ )
        {
            System.out.println("room " + x + " occupied by
            " + hotel[x]);
        }
    }
}
```

```
private static void initialise( String hotelRef[])
{
    for (int x = 0; x < 6; x++ ) hotelRef[x] = "e";
    System.out.println( "initilise ");
}
}
```