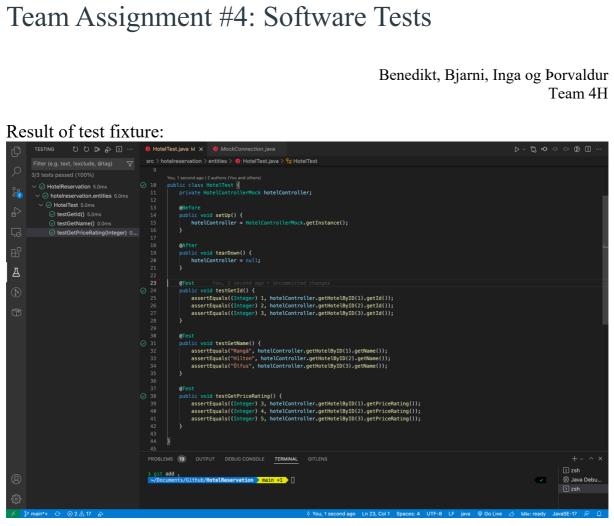
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Test fixture:

```
package hotelreservation.entities;
import hotelreservation.controllers.*;
import org junit Before;
import org junit After;
import static org.junit.Assert.*;
public class HotelTest {
    private HotelControllerMock hotelController;
    @Before
    public void setUp() {
        hotelController = HotelControllerMock.getInstance();
    @After
    public void tearDown() {
        hotelController = null;
    @Test
    public void testGetId() {
        assertEquals((Integer) 1, hotelController.getHotelByID(1).getId());
        assertEquals((Integer) 2, hotelController.getHotelByID(2).getId());
        assertEquals((Integer) 3, hotelController.getHotelByID(3).getId());
    @Test
    public void testGetName() {
        assertEquals("Rangá", hotelController.getHotelByID(1).getName());
        assertEquals("Hilton", hotelController.getHotelByID(2).getName());
        assertEquals("Ölfus", hotelController.getHotelByID(3).getName());
    @Test
    public void testGetPriceRating() {
        assertEquals((Integer) 3,
hotelController.getHotelByID(1).getPriceRating());
        assertEquals((Integer) 4,
hotelController.getHotelByID(2).getPriceRating());
        assertEquals((Integer) 5,
hotelController.getHotelByID(3).getPriceRating());
```

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Result of test fixture:



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Mock object:

Mock SQL connection:

```
package hotelreservation.data;
import java.util.HashMap;
import hotelreservation.entities.*;
* Simulates having a connection to our future SQL database
public class MockConnection implements HotelDataConnection {
    private static MockConnection instance = null;
    private HashMap<Integer, Hotel> hotels = new HashMap<Integer, Hotel>();
    private MockConnection(){
        hotels.put(1, new Hotel(1, "Rangá", 2, 3));
        hotels.put(2, new Hotel(2, "Hilton", 3, 4));
        hotels.put(3, new Hotel(3, "Ölfus", 4, 5));
     * Returns the instance of the MockConnection
     * @return the MockConnection instance
    public static MockConnection getInstance(){
        if(instance == null){
            instance = new MockConnection();
        return instance;
     * Returns the Hotel associated with the given ID
     * @param ID: the id
     * @return the MockConnection instance
    public Hotel getHotelByID(Integer ID) {
        return hotels.get(ID);
```

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```
/**
    * Implemented later
    * @return null
    */
    public Room getRoomByID(Integer ID) {
        return null;
    }
}
```

Hotel object:

```
package hotelreservation.entities;
import java.util.ArrayList;
public class Hotel {
    private Integer id;
    private String name;
    private Integer starRating;
    private Integer priceRating;
    private ArrayList<Room> rooms;
    public Hotel(Integer id, String name, Integer starRating, Integer priceRating)
        this.id = id;
        this.name = name;
        this.starRating = starRating;
        this.priceRating = priceRating;
        this.rooms = null;
    public void addRoom(Room newRoom) {
        rooms.add(newRoom);
    public Integer getId() {
        return this.id;
    public void setId(Integer id) {
        this.id = id;
```

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```
public String getName() {
    return this.name;
}

public void setName(String name) {
    this.name = name;
}

public Integer getStarRating() {
    return this.starRating;
}

public void setStarRating(Integer starRating) {
    this.starRating = starRating;
}

public Integer getPriceRating() {
    return this.priceRating;
}

public void setPriceRating(Integer priceRating) {
    this.priceRating = priceRating;
}

public void setPriceRating(Integer priceRating) {
    this.priceRating = priceRating;
}

public ArrayList<Room> getRooms() {
    return this.rooms;
}
```

For additional code please refer to github repository: https://github.com/Bobbi11/HotelReservation

or contact us by email.