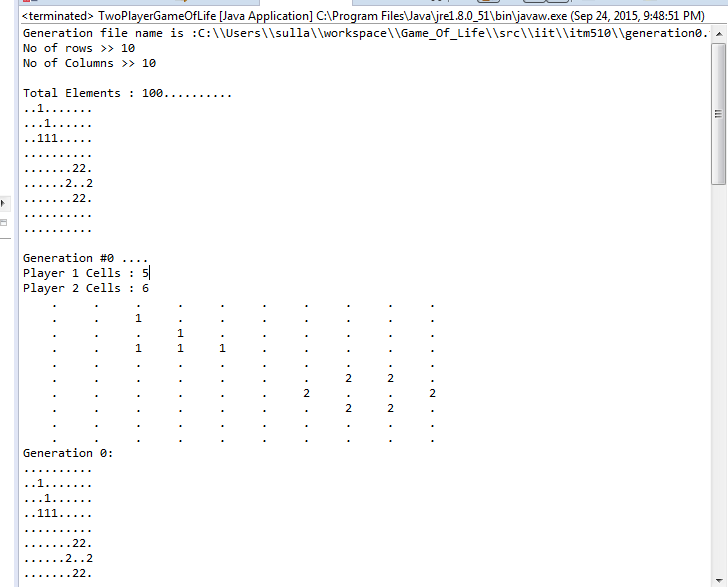
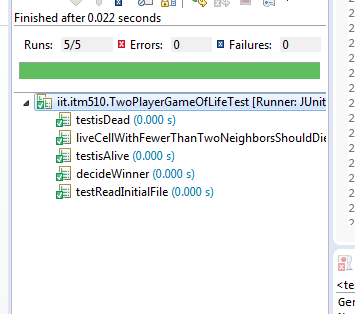
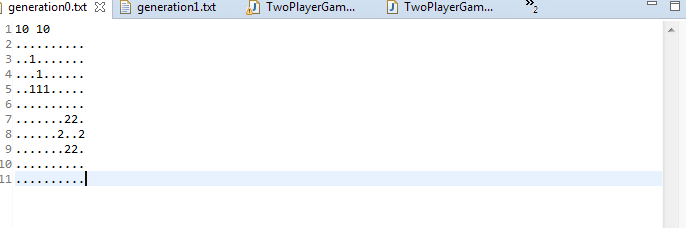
**Screenshots for the output:**



**Project structure:**





**Methods used:**

