

Module 10 : Making Code Robust

Assignment

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Assignment

1. Modify the class ***module10.mem.leaks.MyStack*** to eliminate the memory leak.

- Run the ***VisualVM*** to confirm the results.

[Solution: ***module10.mem.MyStack, module10.mem.MyStackApp***]

2. Write the relevant JUNIT4 test cases for ***module10.mem.MyStack***.

- Test all the methods
- Use the various ways to test the exceptions as discussed in this module.

3. Write a programme to generate N random numbers from a subject.

- Notify observers only if a number is odd.
- Use the ***java.util.Observer & java.util.Observable***
- The observer can be registered to multiple subjects.
- Observer only consumes odd random numbers
- Ignores notification from other subjects, test this with a dummy subject.

[Solution ***module10.patterns.observer.randwatcher***]