

Below are key points of what was discussed in the lesson, which was based on the principles outlined in Item 63 of Effective Java book, which says

Item 63: Include failure-capture information in detail messages

Note: It is ***highly recommended*** to buy the latest edition of Effective Java book by Joshua Bloch. It is one of the must-have books for any serious Java programmer!

Key Points:

The lesson clearly demonstrated how to capture information that might have contributed in an exception. This could be helpful as a stack trace alone may sometimes not be sufficient enough to fix the error. One approach we discussed was capturing of the information via a string, i.e., constructor that takes a string is used. One thing to note is the message should be as specific and as clear as possible and it is better to avoid long prose (no superfluous language). We also discussed a better idiom where information was captured by using fields in the exception class. Personally, capturing such failure-related information has helped me tremendously when I was integrating data from external partner APIs. Often, the issue would be due to an unexpected change in the API (a very bad practice) from their end. So, my logs would indicate the exact reason and I would send it over to them so that they can revert the API change they made. So, the information I captured helped me to recover from the error.