

9-11

Checked exceptions: can try/catch, and it has to

- Caused by unavoidable environmental condition like IOException

Runtime exceptions: can try/catch, but you don't have to and almost never should

Assertion errors: trouble that you deliberately cause in order to stress-test your app

Other errors

- Severe JVM trouble
- Usually seen when you run out of memory

Assert

- Must -enableassertions
- Men -> run configurations...select argument tab and type -ea under vm arguments
- Assert boolean-statement or assert boolean-statement : object
- If false, throws assertion error (like an exception)
- Never catch the error
- Optional object becomes the error message
- Prints the stack trace

Functionality you add to classes to give them superpowers

- Deep equality + hash codes -> ability to be managed by blackbelt collections (HashSet & HashMap)
- Deep equality + hash codes + comparison -> ability to be sorted by Jedi collections (TreeSet & TreeMap)

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