ASQ CRE Prep course

Lesson V. B. 4.
Software Testing

Approaches

- **Top down**
- **Bottom up**

- **Black Box**
- **White Box**
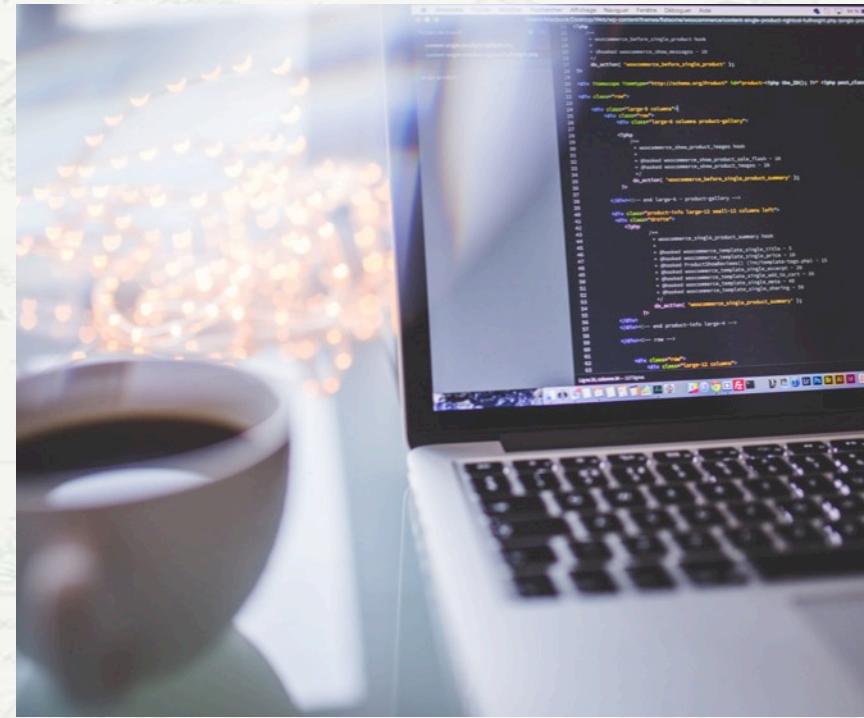
Fault Injection

- **Is your testing working?**

- **Is your system catching faults?**

$$\frac{\text{found seeds}}{\text{total seeds}} = \frac{\text{found faults}}{\text{total faults}}$$
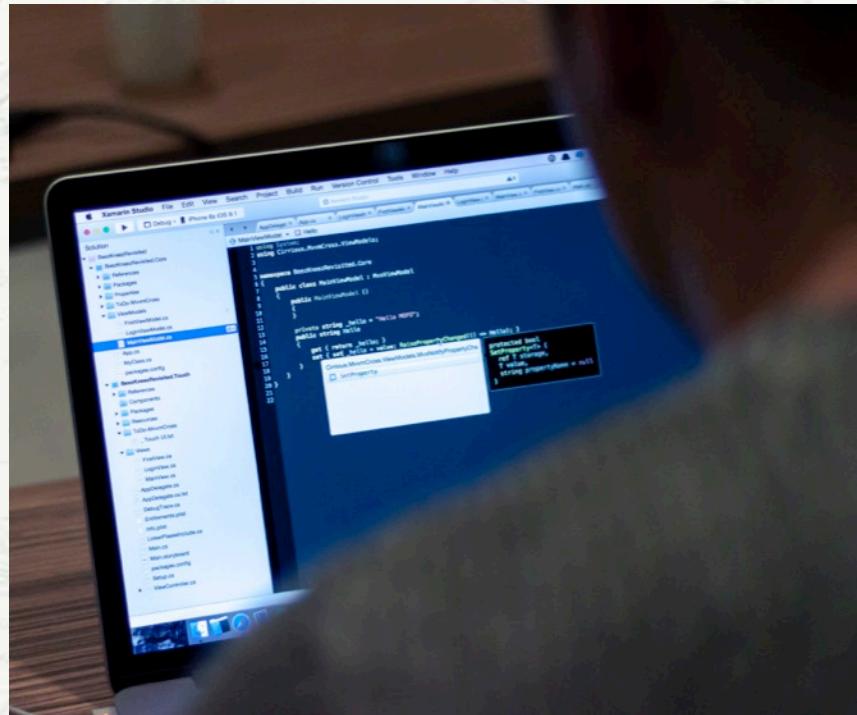
Many other terms/approaches

- **Operational Profile**
- **Beta Testing**
- **Simulation**
- **Fault-error handling**
- **I/O first**
- **Regression Testing**
- **Equivalences Class Partitioning**
- **...**
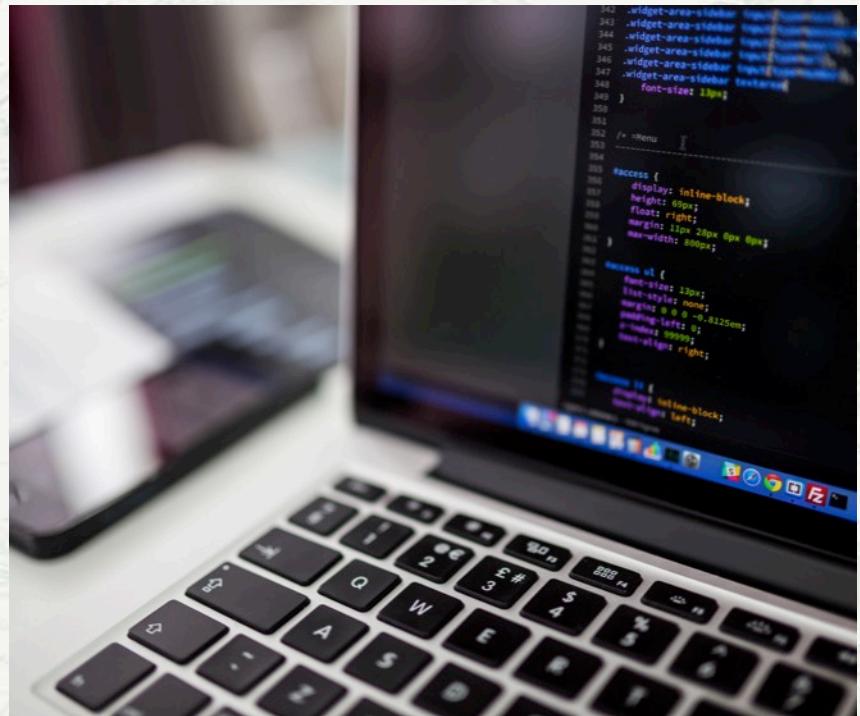
What portion of failures are due to software?

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Lesson V. C.
Product Testing