Generating Random Text

Summary

Duke
UNIVERSITY

Markov Text Generation

- Developing a sequence of related classes helped in understanding new concepts
  - Predictive text is the basis for machine learning and autocomplete functions in search and mobile phones

- Related classes led to designing and understanding interfaces and abstract classes
  - Familiar context helped with extending design

Interfaces in Java

- We used the same names for methods
  - Allowed us to reuse client/testing programs
  - MarkovTwo and MarkovOne used same method names as MarkovZero
- Extended to interface IMarkovModel
  - Powerful technique, extensively used in Java
- Extended to Abstract Base Class
  - Capture common code that can't be captured in an interface, also extensively used in Java