

# Programming Language Concepts Notes

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# 1 Introduction to Haskell

Functional programming: Functions are central

Garbage collection came first with FP, and recursion is used over loops.

Avoid side effects

Side effects include changing some hidden state. Functions should return the same values when given the same input ideally.

Haskell enforces purity, no side effects

Haskell is statically typed, lazy semantics

FP also used to make compilers and interpreters