

Assignment 1

Compiler Design

1. Group No. 12

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2.

- a. **S** (Source language) - Golang (Grammar borrowed from <https://golang.org/ref/spec>)
- b. Extra features in Golang:
 - i. Structs with methods (like classes)
 - ii. Templates
 - iii. Vectors
 - iv. Python's "in" feature
 - v. Automatic type-inference "auto"
 - vi. Anonymous functions/structs
 - vii. String data type
- c. **I** (Implementation language) - Python
T (Target language) - X86 (Assembly)