German University in Cairo
Media Engineering and Technology
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Advanced Computer Lab, Spring term 2017
Milestone1

In this milestone you are required to build the lexer for the Go language. The lexer will be constructed using JLex as discussed earlier. Lexical Analyzers read the input stream and tokenize it by converting it into a stream of tokens.The output of your lexical analyzer should be a stream of objects of type Token. Each Token will have the type of the token and the lexeme. By running the given class, MLA.java, the input files should be scanned by your lexer and an output file will be generated. Each line of the output file will be a token from the input. Each token will be represented by its type followed by the lexeme. There are 10 sample inputs provided with the project folder and their corresponding outputs.

The following links are for the Go documentation and online compiler:

- The Go language website https://golang.org/. However the fragment of the Go grammar that was chosen for the scope of your project is in the **GoGrammar.pdf** document. Please refer to it.
- There is an online samples of codes that you can run using go online compiler is found here https://tour.golang.org/welcome/1. Please note that most of the samples provided in the milestone will be found in this online tour, for you to try and compile the samples code.

No changes are allowed in the **MLA.java** and **Token.java** files. You are only required to submit the lexer file in this milestone.

Please Note that:

- The milestone deadline is on 13/4 at 11:59 PM .
- You are required to submit a zipped folder named after your team number that are now announced on the met website.
- **No late** submissions will be accepted.
- Cheating cases will be graded by 0.
- It is your responsibility to make sure that the files were uploaded successfully to the website.