

# MathWorks Compiler Course – Day 3

- Lexing

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- Lexing
  - Lexer Context



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  - Lexemes

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- Lexing
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  - Lexemes
    - Operator Identifiers

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- Regular Expressions
  - $\circ \mid * + ?$



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- Regular Expressions

– `o | * + ? ( )`

– `& ~`

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- Lexing
- Regular Expressions
  - `|` `*` `+` `?` `()`
  - `&` `~`
- Regular Expression Grammars

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- Lexing
- Regular Expressions
  - `o | * + ? ( )`
  - `& ~`
- Regular Expression Grammars
  - Regular expressions on r.h.s.
  - Descriptive, not linguistic power

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- Lexing
- Regular Expressions
  - $\circ \mid * + ? ( )$
  - $\& \sim$
- Regular Expression Grammars
  - Regular expressions on r.h.s.
  - Descriptive, not linguistic power
  - Transformations