Mindluster Platform

About the course Compiler Design Principles

Compiler Design Principles course, This course explores the fundamental principles and concepts in the field of compiler design.

Computer Science Category's Courses

Course Lesson(42)

Lesson 1 : **Introduction to Compiler Design**

Lesson 2 : **Different Phases of Compiler**

Lesson 3 : **Symbol Table**

Lesson 4 : **Symbol Table â€“ Solved PYQs**

Lesson 5 : **Introduction to Lexical Analyzer**

Lesson 6 : **Lexical Analyzer â€“ Tokenization**

Lesson 7 : **Lexical Analyzer Solved Problems Set 1**

Lesson 8 : **Lexical Analyzer Solved Problems Set 2**

Lesson 9 : **Errors and Error Recovery in Lexical Analysis**

Lesson 10 : **Introduction to Formal Grammars**

Lesson 11 : **Classifications of Formal Grammars Part 1**

Lesson 12 : **Classifications of Formal Grammars Part 2**

Lesson 13 : **Derivations of CFGs**

Lesson 14 : **Ambiguity in CFGs**

Lesson 15 : **Ambiguity in CFGs Solved Problems Set 1**

Lesson 16 : **Ambiguity in CFGs Solved Problems Set 2**

Lesson 17 : **Problems of Ambiguity in CFGs**

Lesson 18 : **Associativity Violation and Solution in CFGs**

Lesson 19 : **Precedence Violation and Solution in CFGs**

Lesson 20 : **Associativity and Precedence in CFGs**

Lesson 21 : **Associativity and Precedence in CFGs â€“ Solved Problems Set 1**

Lesson 22 : **Associativity and Precedence in CFGs â€“ Solved Problems Set 2**

Lesson 23 : **Recursion in Context Free Grammars CFGs**

Lesson 24 : **Problem of Left Recursion and Solution in CFGs**

Lesson 25 : **Elimination of Left Recursion â€“ Solved Problems**

Lesson 26 : **Non Deterministic CFGs**

Lesson 27 : **Non deterministic CFGs â€“ Solved Problems Set 1**

Lesson 28 : **Non deterministic CFGs â€“ Solved Problems Set 2**

Lesson 29 : **Introduction to Parsers**

Lesson 30 : **Top Down Parsers Recursive Descent Parsers**

Lesson 31 : **Top Down Parsers LL 1 Parsers**

Lesson 32 : **FIRST and FOLLOW Functions**

Lesson 33 : **FIRST and FOLLOW Functions â€“ Solved Problems Set 1**

Lesson 34 : **FIRST and FOLLOW Functions â€“ Solved Problems Set 2**

Lesson 35 : **LL 1 Parsing Table**

Lesson 36 : **LL 1 Parsing**

Lesson 37 : **LL 1 Parsing â€“ Solved Problems Set 1**

Lesson 38 : **LL 1 Parsing â€“ Solved Problems Set 2**

Lesson 39 : **Bottom Up Parsers | Chapter 4 | Compiler Design | nesoacademy org**

Lesson 40 : **Semantic Analysis | Chapter 5 | Compiler Design | nesoacademy org**

Lesson 41 : **Intermediate Code Generation | Chapter 6 | Compiler Design | nesoacademy org**

Lesson 42 :
Runtime Environment Code Optimization | Chapter 7 | Compiler Design | nesoacademy org

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

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