COMSATS University Islamabad (CUI) Attock Campus

**C**

**Final Term**

**MUHAMMAD YAQOO CIIT/FA21-BCS-044/ATK**

**Submitted To: Dr. Bilal Haider  
subject: CC**

Class Diagram:

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| Scanner | | Parser |

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| - components | | - syntaxTree |

| + Initialize() | | + Parse(tokens) |

| + Dispose() | | + GenerateTree() |

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| SemanticAnalyzer | | CodeGenerator |

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| - symbolTable | | + GenerateCode() |

| + Analyze(tree) | | + OptimizeCode() |

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v

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| SymbolTable |

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| - entries |

| + AddEntry() |

| + Lookup() |

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