Lab Terminal Exam   
compiler Construction   
  
question 1: Class sequence diagram of mini compiler?

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| User | | Front-End | | Back-End | | Output |

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| | | |

| Provide source | | |

| code | | |

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| | | |

| | Lexical Analysis | |

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| | Syntax Analysis | |

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| | Semantic Analysis | |

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| | | Code Generation |

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| | | Output Code |

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| Return output | | |

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 **User** provides the source code to the **Front-End**.

 **Front-End** performs **Lexical Analysis**, **Syntax Analysis**, and **Semantic Analysis**.

 The **Back-End** then generates the machine code or intermediate code.

 Finally, the **Output** returns the generated code to the **User**.