Compiler Construction
Lecture # 03

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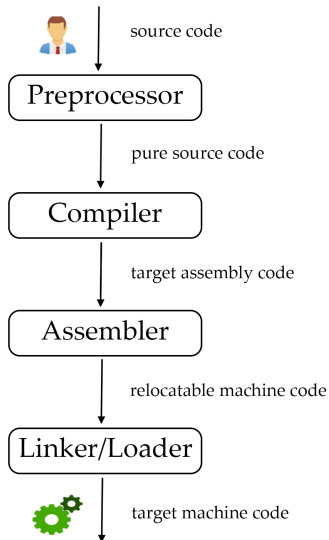
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Structure of a Compiler

1. **Analysis**

2. **Synthesis**

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- also known as the front-end of a compiler

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2 **Synthesis:**

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- transformation of intermediate code into machine code
- also known as the back-end of a compiler

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- Following is sample symbol table for lexical analysis phase,

	Line	Token	Lexeme
•	1	BLOCK_COMMAND	if
•	1	OPEN_PAREN	(
•	1	ID	i
•	1	OP_RELATION	==
•	1	ID	j
•	1	CLOSE_PAREN	)
•	1	ENDLINE	;
•	2	ID	z
•	2	ASSIGN	=
•	2	NUMBER	1
•	2	ENDLINE	;
•	3	BLOCK_COMMAND	else
• Etc...			

Phases of Compiler