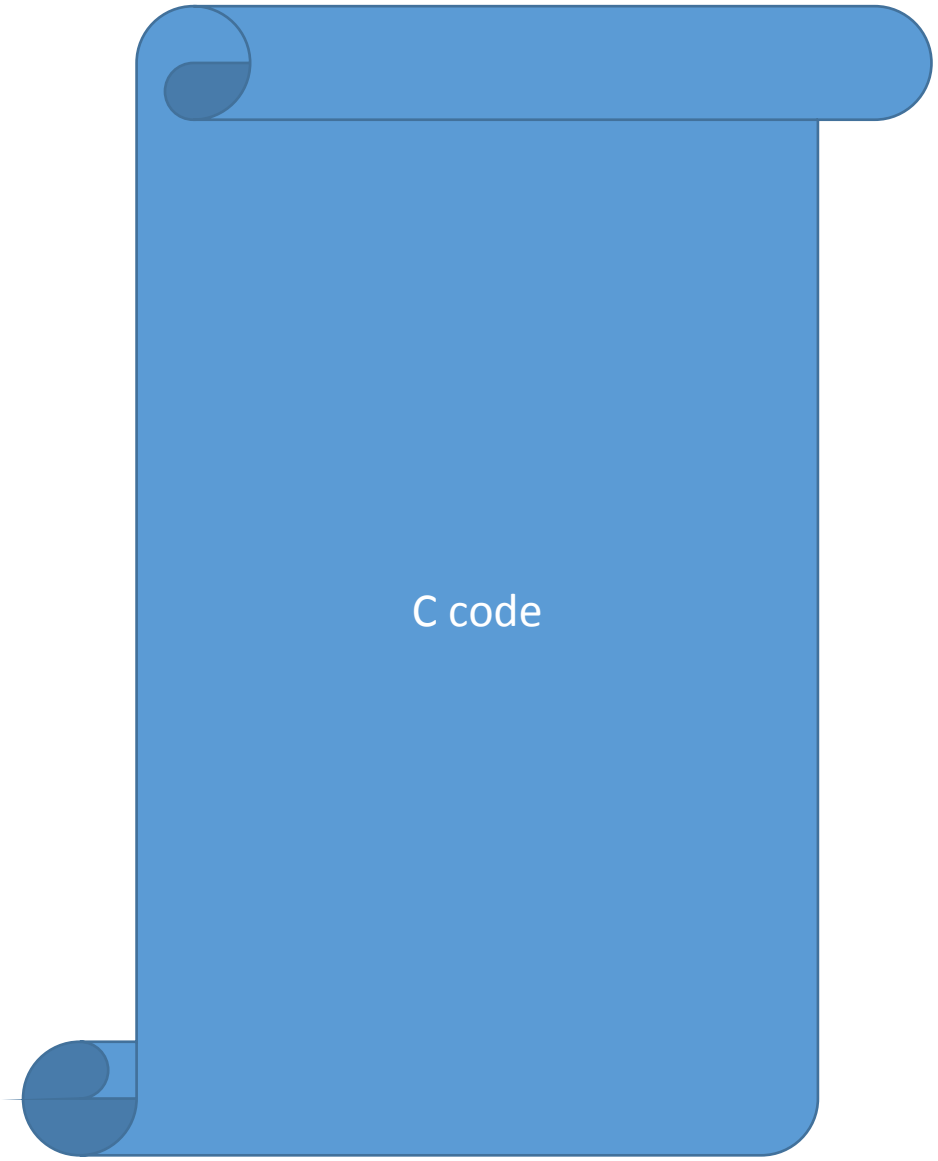
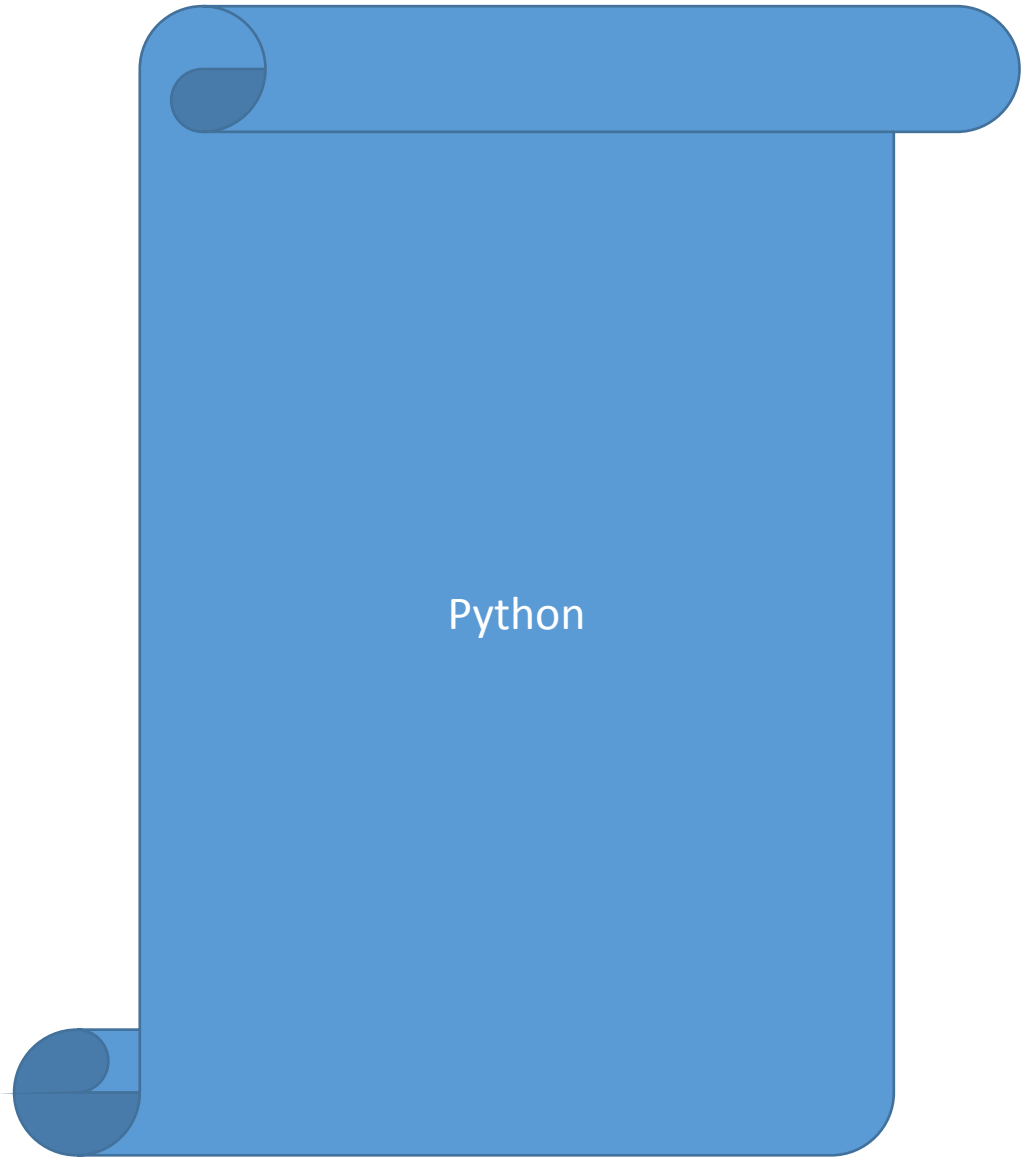
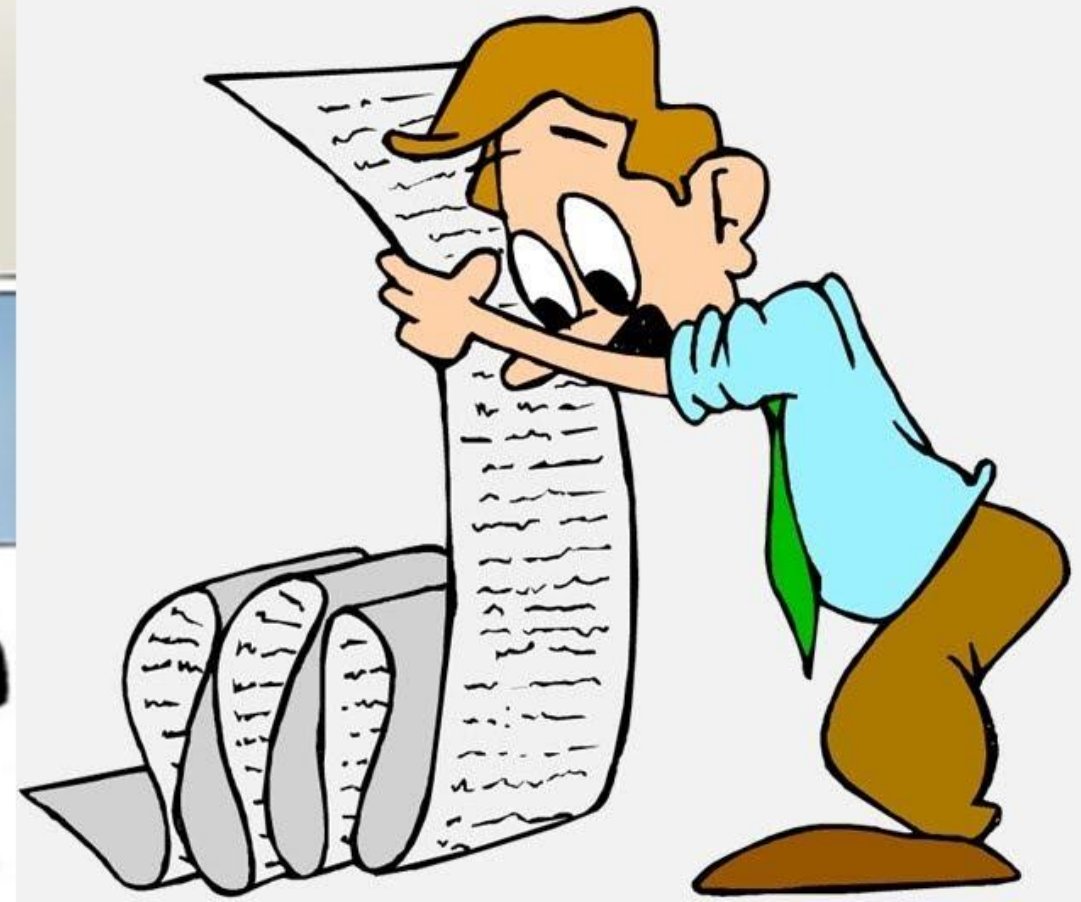
Introduction to Interpreter

Course Code: CSE 309
Course Title: Object Oriented Programming II : Visual and Web Programming


C code


Python

Interpreter Vs Compiler



Interpreter VS Compiler

No	Compiler	Interpreter
1	Compiler Takes **Entire** program as input	Interpreter Takes **Single** instruction as input .
2	Intermediate Object Code is **Generated**	**No** Intermediate Object Code is **Generated**
3	**Memory Requirement** : **More**(Since Object Code is Generated)	**Memory Requirement** is **Less**
4	Program need not be **compiled** every time	Every time higher level program is converted into lower level program
5	**Errors** are displayed after **entire program** is checked	**Errors** are displayed for **every instruction** interpreted (if any)

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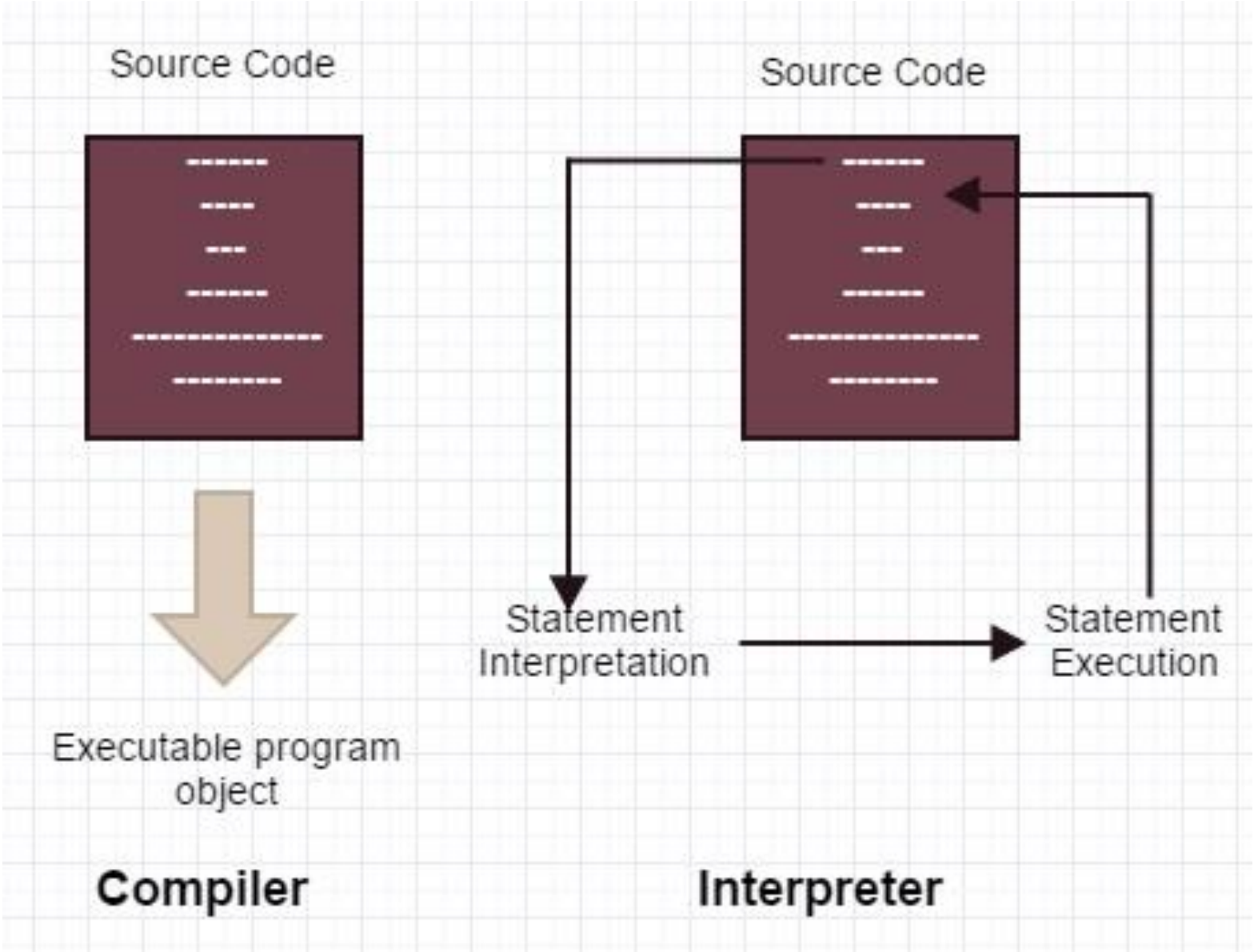
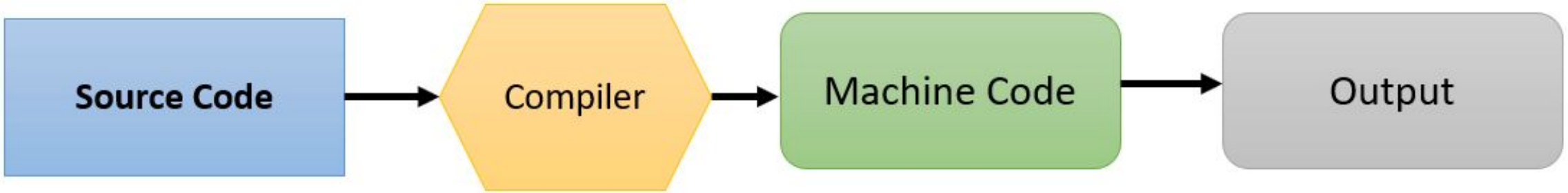


Compiler VS Interpreter

How Compiler Works



How Interpreter Works

Compiler VS Interpreter

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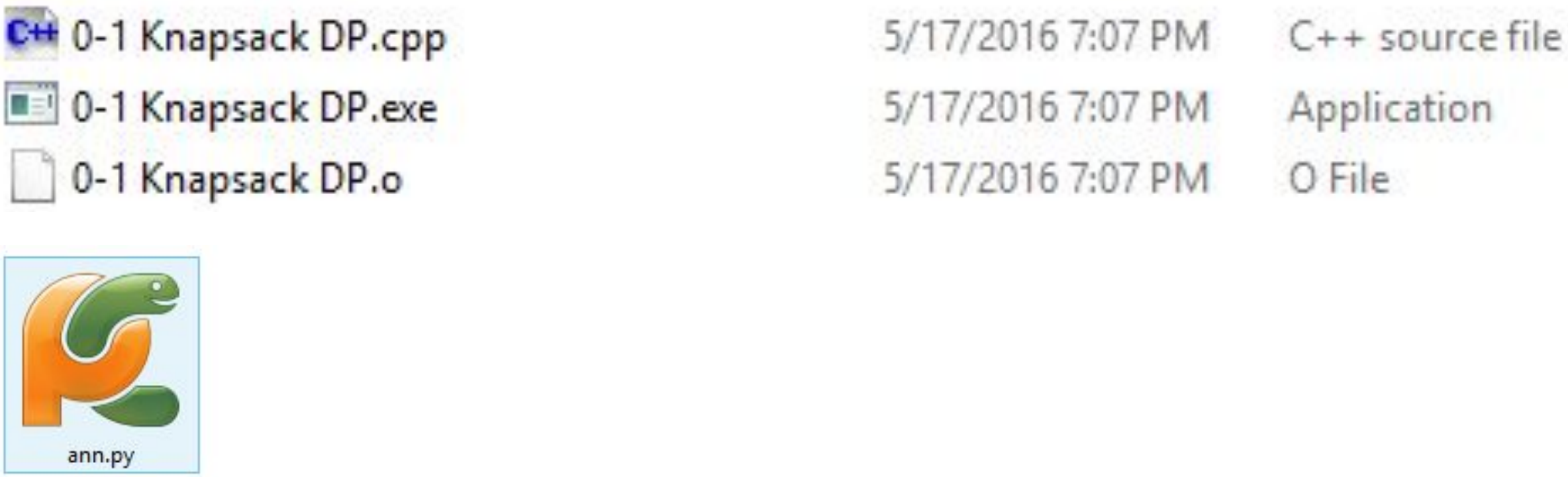

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Compiler VS Interpreter

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Thank You