Chapter 12 - Packages

Interpreter vs Compiler Interpreter translates one statement at a time into machine Code: Compiler scans the entire program and translates whole of it into machine code. Interpreter Compiler * Entire program at a time

* One statement at a time * Interpreter is needed everytime * Once compiled it is not needed

* Partial execution if error * No execution if an error occurs * Easy for programmers * Vsually not as easy as Interpreted ones

Is lava compiled or Interpreted? Java is a hybrid language - both compiled as well as interpreted

Java File (using savac) harry class by kode Can be used by Java interpreter

- → A JVM can be used to Interprete this bykcode

 This bytecode can be taken to any platform (wn/Mac/Linux)
 for execution
- Hence Java is platform independent (write once run everywhere)

	Executing a Java Program
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essa.	Javac Harry Java → Compiled Java Harry Class → Interpocked
Anuf	So fare the execution of our program was being
	So fare the execution of our program was being managed by intelly Idea: We can download a source code editor like V5 (ade to compile & execute our Java programs.
1/11	A hackage is used to agout related classes
	Packages help in avoiding name conflicts.
*	Packages in Java A package is used to group related classes Packages help in avoiding name conflicts There are two types of packages: Built in packages - Java API War de Greed Backages - Greeken herbers
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	1. class this Java my mp3 => Song Java harry Java as packages
	Using a Java package
	import java larg * \rightarrow import everything from Java larg import java larg String \rightarrow import String from Java larg 5 = new Java larg String ("Harry") \rightarrow Use Without importing

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