## 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

\* Partial execution if

every \* Once compiled it is not needed \* No execution if an error occurs

\* Usualty Easy for programmers \* Usually 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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*	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  Now de Grad Dackages - Control habes.
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	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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