









![](_page_2_Figure_2.jpeg)

## **Review: Classpath**

 Tells the compiler or JVM where to look for userdefined classes and packages (jar files)

Often when using third-party libraries

- Similar to PYTHONPATH
- Typically know it needs to be set when there are "Class not found" error messages in your code but you have the appropriate import

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7

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| Review:   | In pure forms  |
|---|--|
| Compiled vs Interpre  | eted Languages   |
| Compiled  | Interpreted  |
| <ul> <li>Spends a lot of time analyzing and processing the program</li> <li>Resulting executable is some form of machine- specific binary code</li> <li>Computer hardware interprets (executes) resulting code</li> <li>✓ Program execution is fast</li> <li>&gt; Efficient machine/byte code generation</li> <li>&gt; Performance gains</li> </ul> | <ul> <li>Relatively little time spent analyzing<br/>and processing the program</li> <li>Resulting code is some sort of<br/>intermediate code</li> <li>Another program interprets<br/>resulting code</li> <li>Program execution is relatively slow</li> <li>Faster development/prototyping</li> </ul> |
| Oct 20, 2021 Spreni   | kle - CSC1209 8  |

![](_page_4_Figure_1.jpeg)

![](_page_4_Figure_2.jpeg)

![](_page_4_Figure_3.jpeg)

![](_page_5_Figure_1.jpeg)

![](_page_5_Figure_3.jpeg)

![](_page_6_Figure_1.jpeg)

![](_page_6_Figure_2.jpeg)

![](_page_6_Figure_3.jpeg)

![](_page_7_Figure_1.jpeg)

![](_page_7_Figure_2.jpeg)

![](_page_8_Figure_1.jpeg)

![](_page_8_Picture_2.jpeg)

| Java Python   |   |           |
|---------------|---|-----------|
|               |   |           |
|               |   |           |
| 1) Focus on t | neir characteristics (just the facts, not t | radeoffs) |

![](_page_9_Figure_2.jpeg)

![](_page_9_Picture_3.jpeg)

![](_page_10_Figure_1.jpeg)

![](_page_10_Picture_2.jpeg)

![](_page_11_Figure_1.jpeg)

![](_page_11_Figure_3.jpeg)

![](_page_12_Figure_1.jpeg)

![](_page_12_Figure_3.jpeg)

![](_page_13_Figure_1.jpeg)

![](_page_13_Picture_2.jpeg)

![](_page_14_Figure_1.jpeg)

![](_page_14_Figure_2.jpeg)

![](_page_15_Picture_1.jpeg)

![](_page_15_Picture_2.jpeg)

![](_page_15_Picture_3.jpeg)

![](_page_16_Figure_1.jpeg)

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