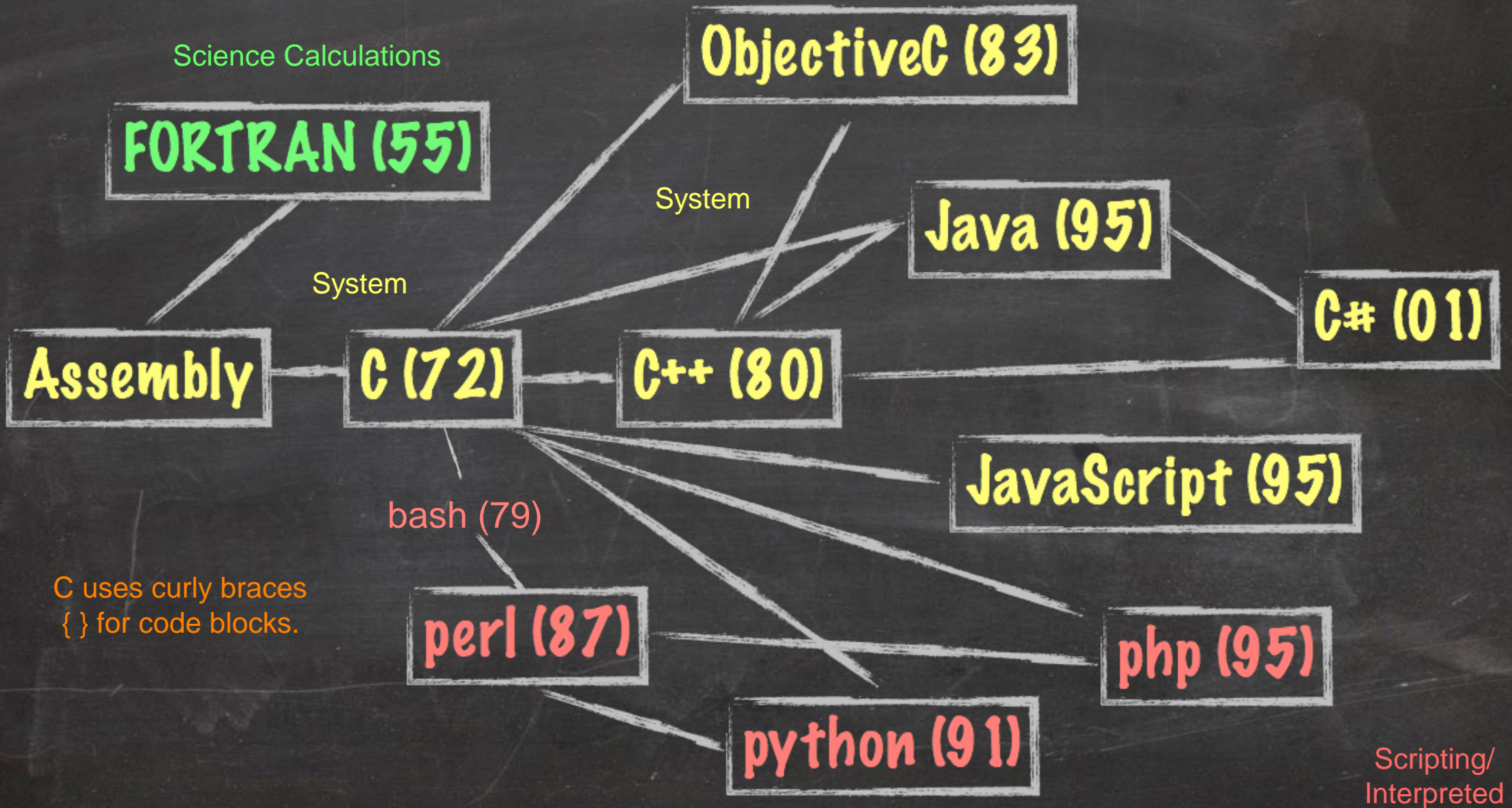


Modern C / Future of C / post-C

- Challenges to use C as general purpose languages
 - No dynamic memory support in the core types / libraries
 - No “safe” string type
- C++ is best thought of as a more powerful and flexible C for professional programmers and systems applications
- Java / JavaScript / C# / Python – Types are usually objects – not “close to the metal” – Not as well suited for an operating system Kernel
- The likely follow on to C in systems applications is Rust
 - Stays close to the metal while providing simple and safe core data types
 - Becoming the second official language in “Linux”



C Programming for Everybody

- C is the most important programming language you will ever learn
- C should not be the first programming language we teach to students
- You might never write a “professional” line of C during your career
- Learning C at the right time in your path, is necessary for you to become a master programmer
- Be patient – do not rush – do not search for solutions to programming
- Each exercise is teaching you something and preparing you to learn something much more challenging later in the course