Recap
Name the translation strategy for each of the following languages:

Fortran, Lisp, Python, Java, Shell, C, C++, C#

Fortran: separate compilation + linking
Lisp: either interpretation or compilation
Python: implicit compilation + interpretation
Java: explicit compilation + interpretation
Shell: interpretation
C: separate compilation + linking
C++: separate compilation + linking
C#: explicit compilation + interpretation
“missing symbol:” What kind of error is this? (compile-time, link-time, run-time)

link-time
What are the two requirements for a language to be a programming language.

It must be universal and implementable.
What are the three main design goals in programming language design?

Which language excels at all of them?

Developer productivity.
Program safety.
Program efficiency.

None so far. Research challenge, anyone?
What’s conditional compilation?

Why would you use it?

A pre-processor technique. Some code is only compiled if specific flags are defined.

This can be used to configure a complex code base for a specific use. For example, debugging checks can be disabled in release builds, and architecture-dependent features can be enabled or disabled depending on the choice of target architecture (e.g., Linux).