Question:

In slide 30 of semantic analysis, inter-type methods are defined in .jadd, but later attributes are said to be defined in .jrag file. Is it a typo?

Answer:

An aspect file can have the suffix .jadd or .jrag. The JastAdd system actually handles these two types of files in the same way. The developer of JastAdd recommend the following use:

* Use .jrag files for declarative aspects, i.e., where you add attributes, equations – the ones we have in slides 39, 45, 61, etc
* Use .jadd files for imperative aspects, i.e., where you add ordinary fields and methods to the AST classes – the ones we have in slide 80 onwards (those namecheck() and typecheck() methods)

It is perfectly fine to not follow this convention, i.e., to mix both imperative and declarative features in the same aspect. We mix them in our namecheck.jrag and typecheck.jrag files in Lab 3 that you will see. We also use .jrag suffix and not .jadd in Lab 3.