

Stream-Static Join

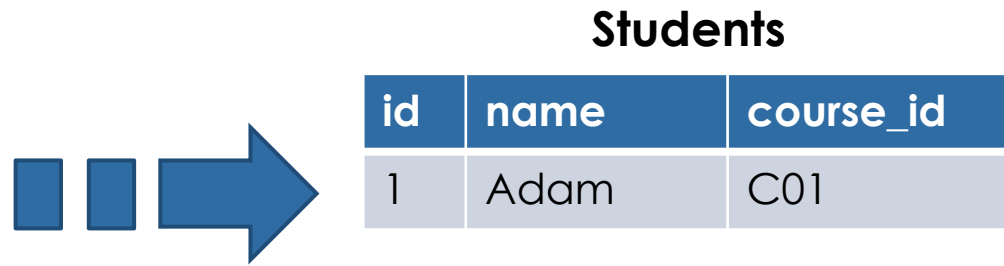
Learning Objectives

- ▶ Join Incremental and Static Data
- ▶ Potential limitations

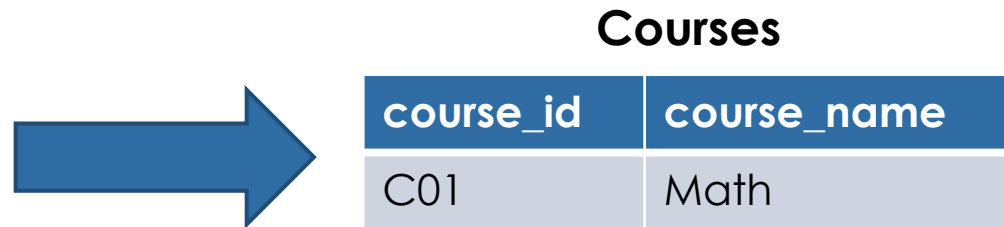
Stream vs. Static tables

- ▶ Streaming tables are ever-appending data sources
- ▶ Static tables contain data that may be changed or overwritten.
 - ▶ breaks the requirement of an ever-appending source for Structured Streaming

Stream-Static join

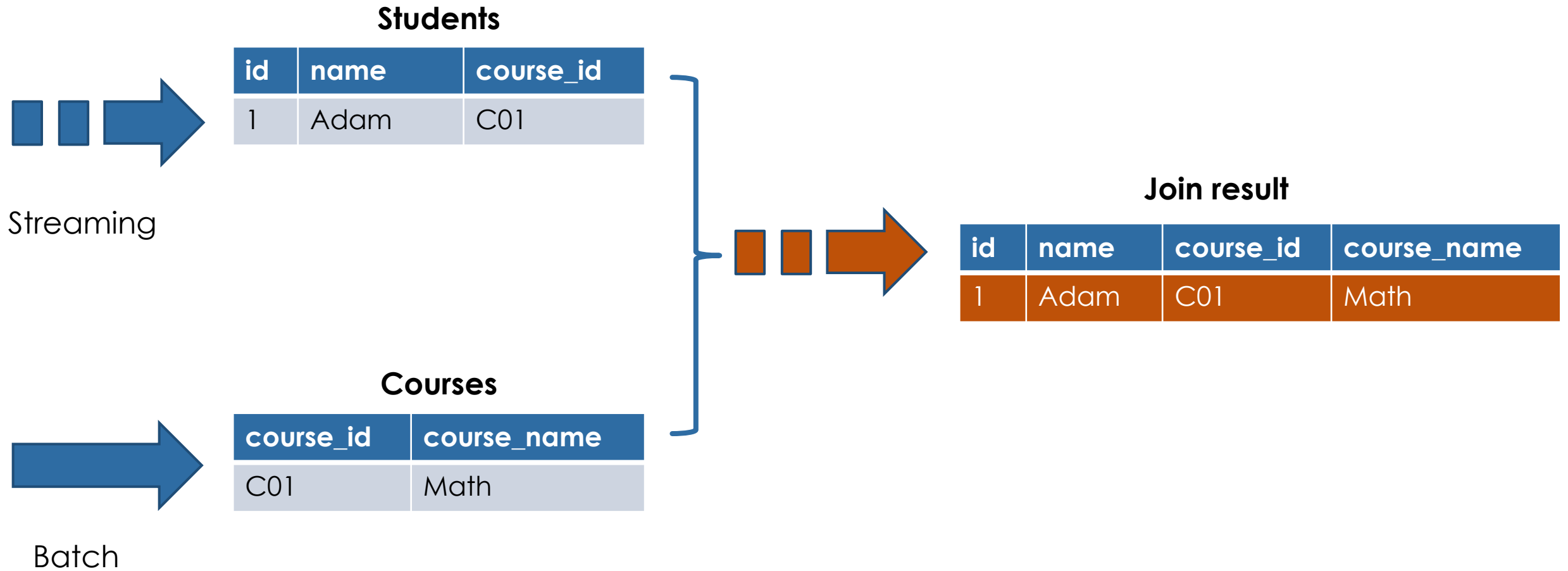


Streaming

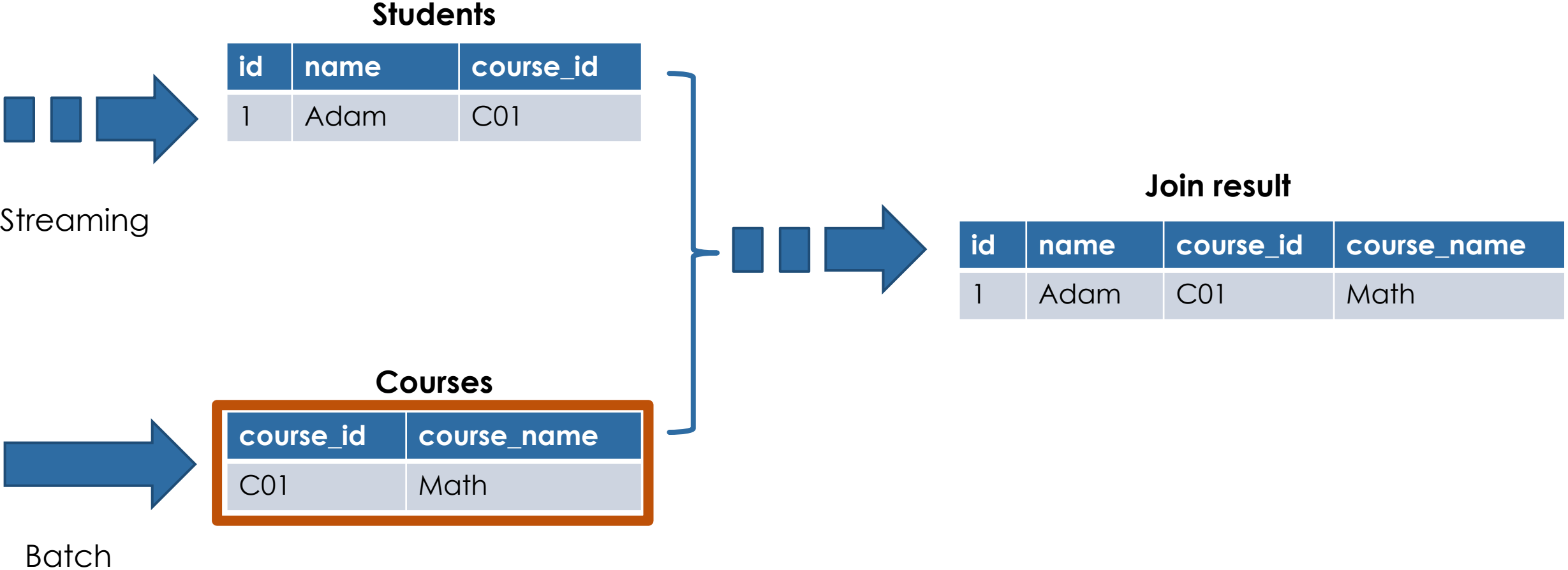


Batch

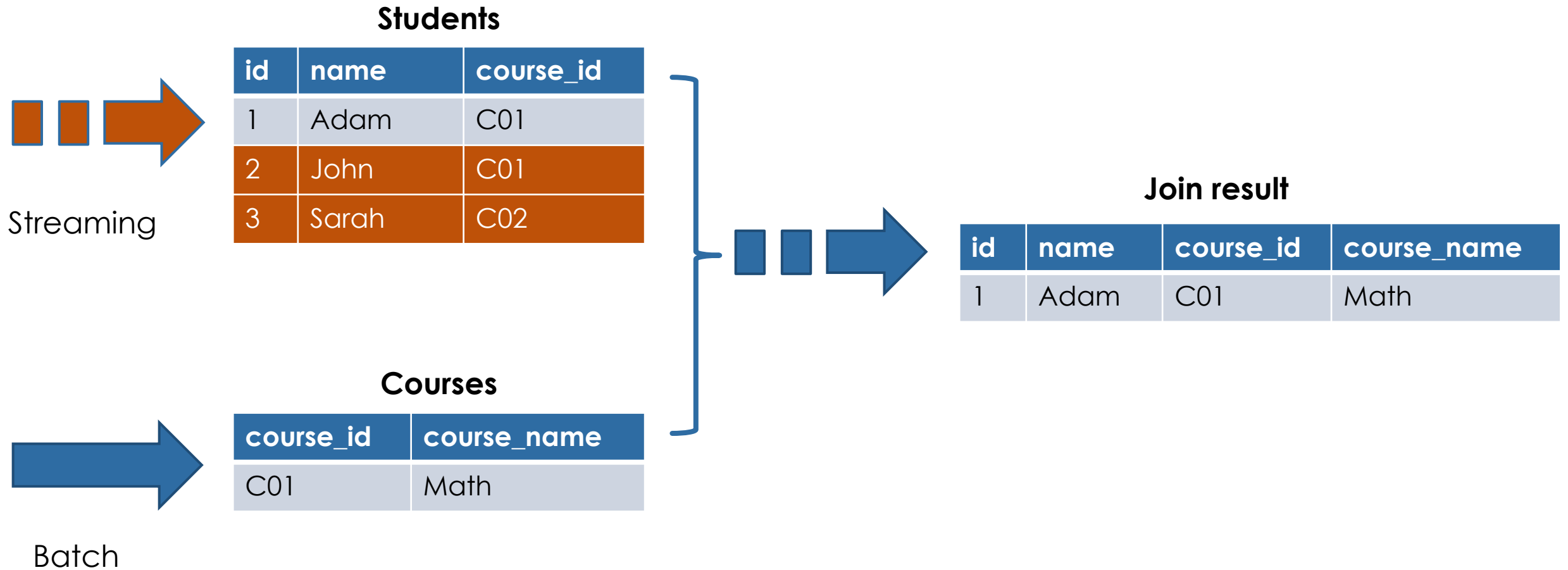
Stream-Static join



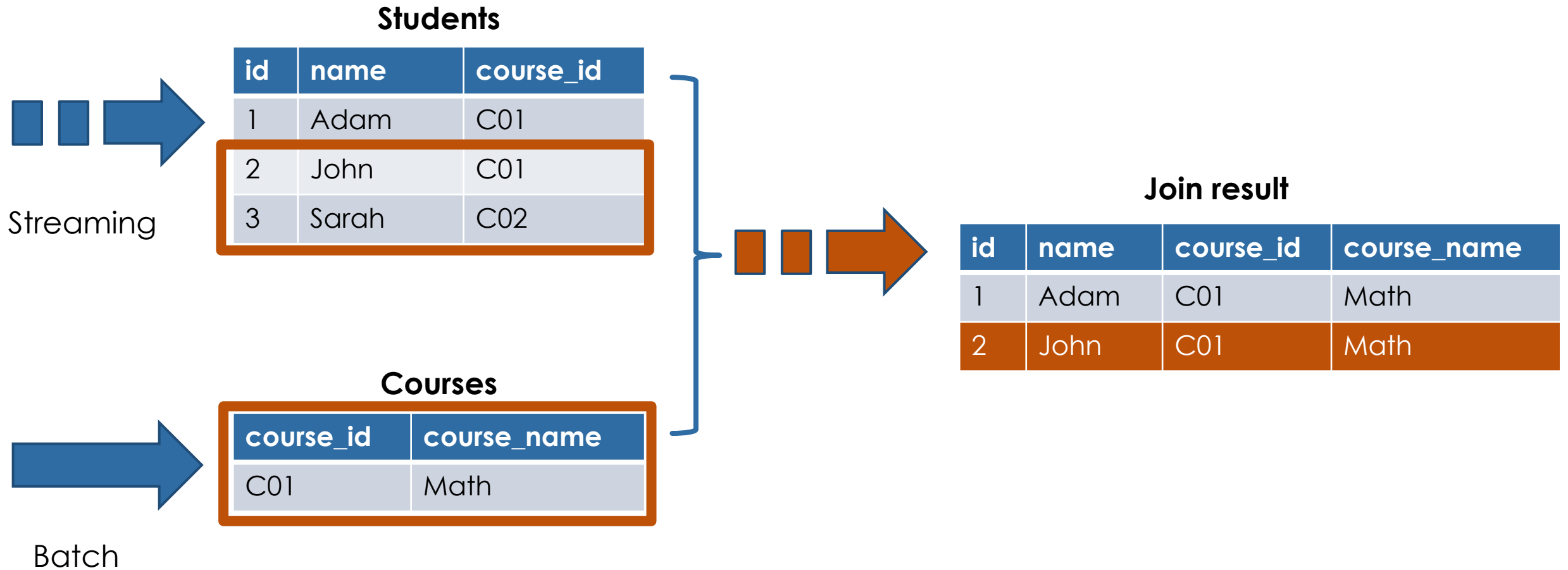
Guarantee: latest version of static table



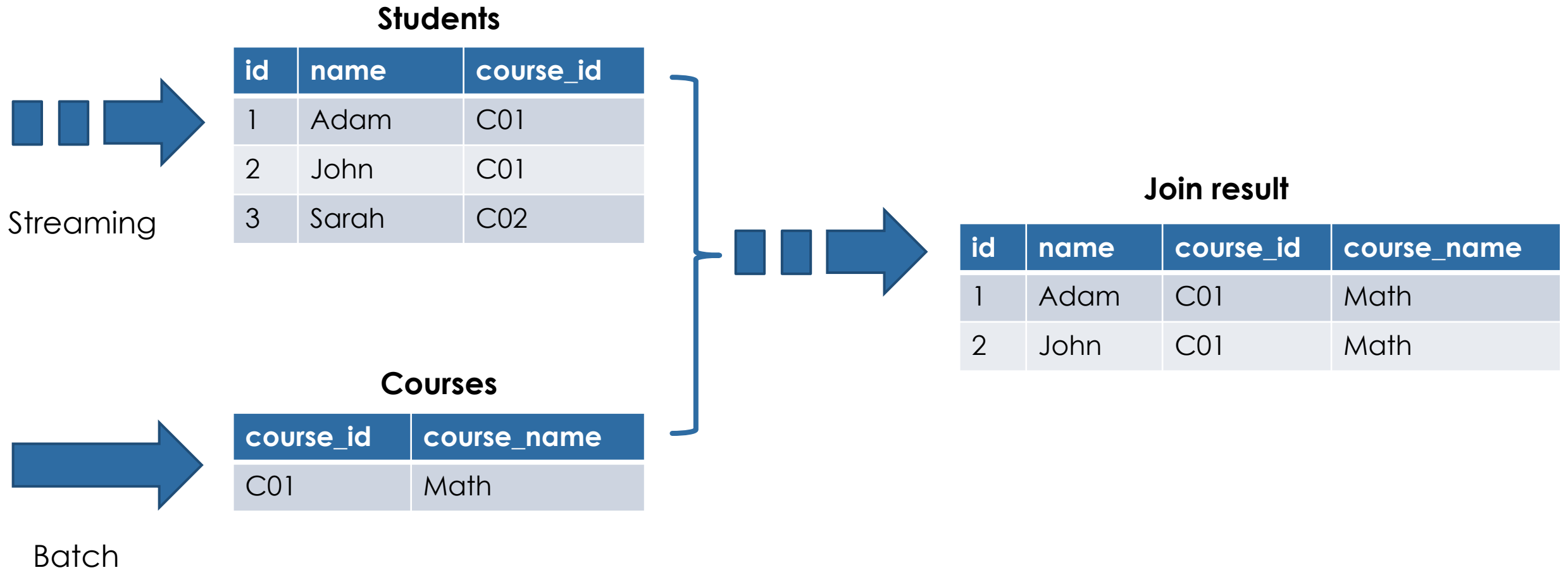
Streaming drives the join



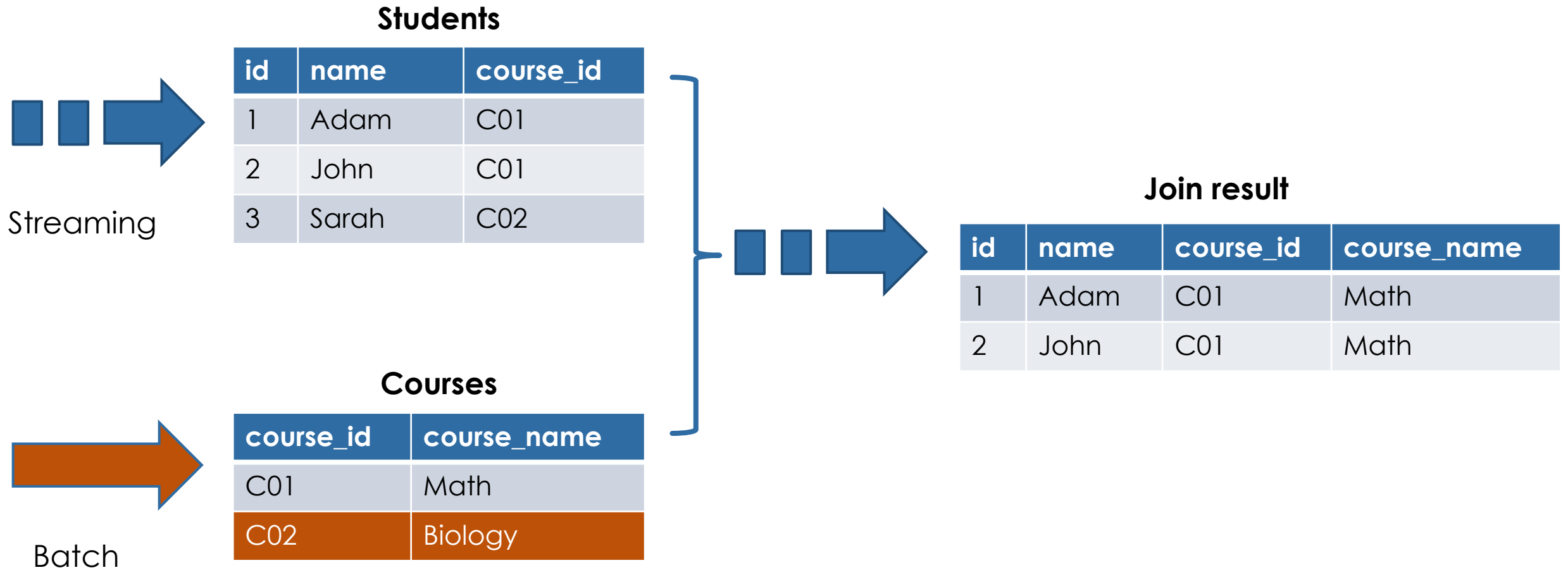
Streaming drives the join



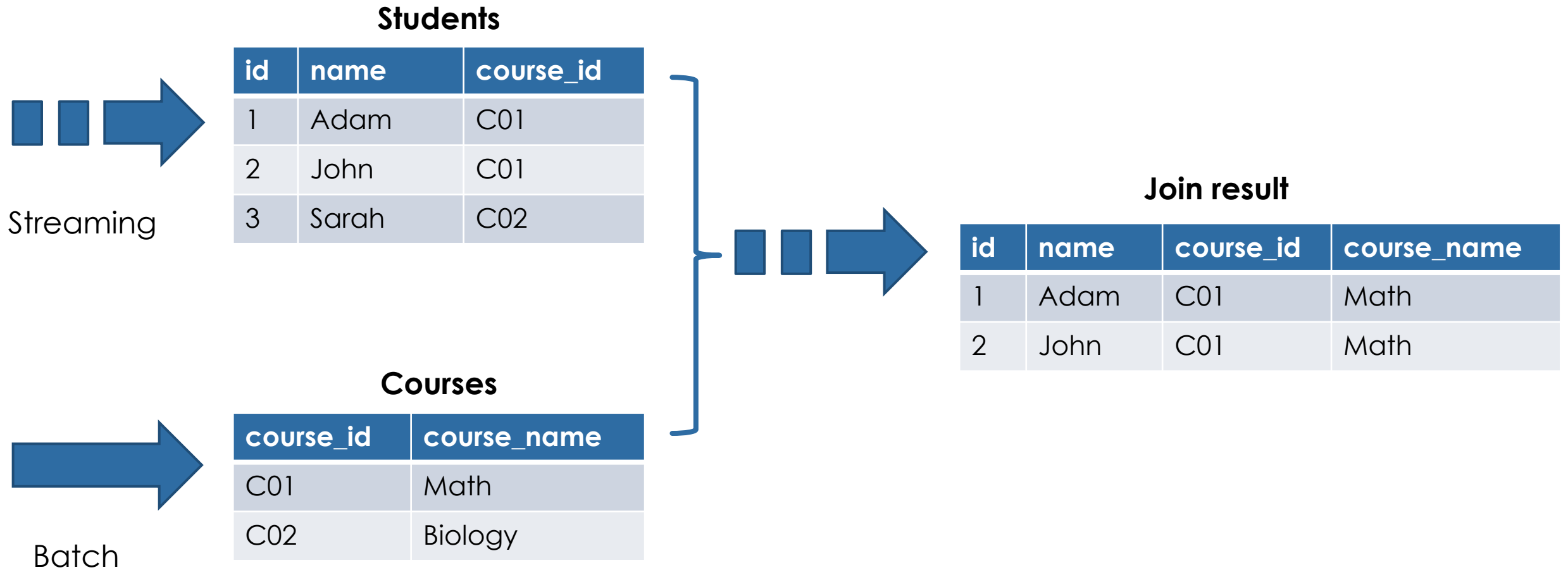
Streaming drives the join



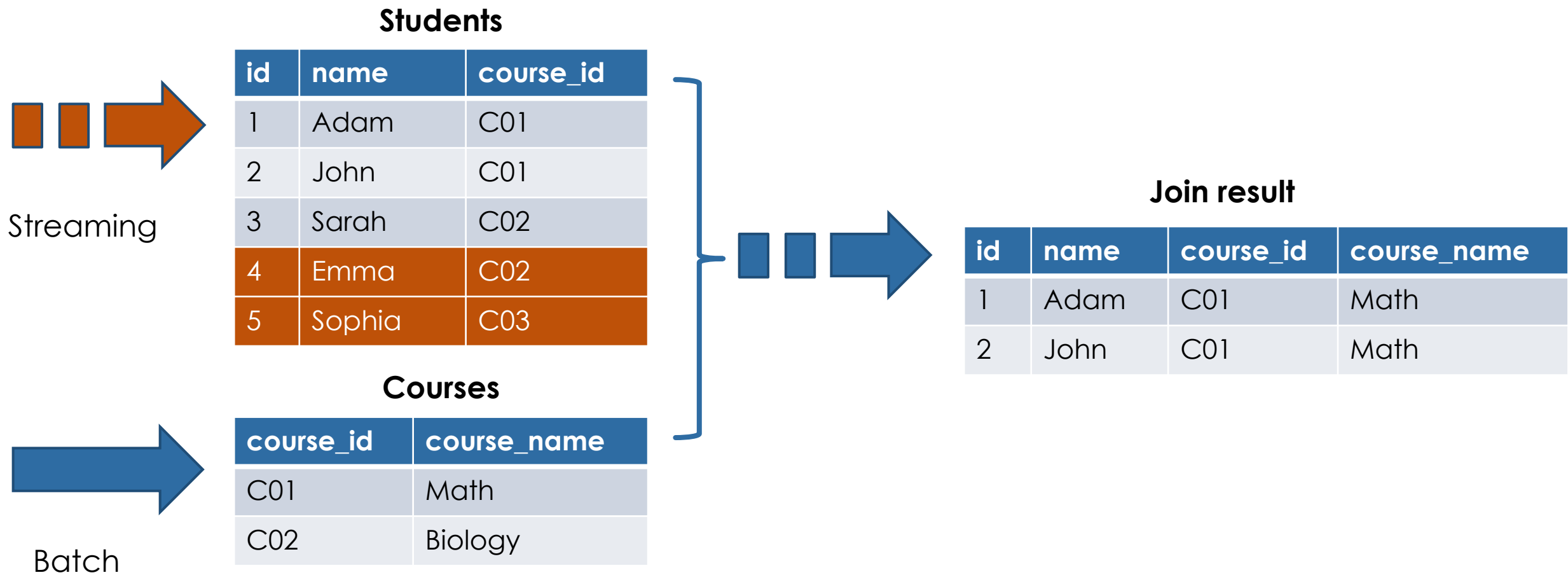
Streaming drives the join



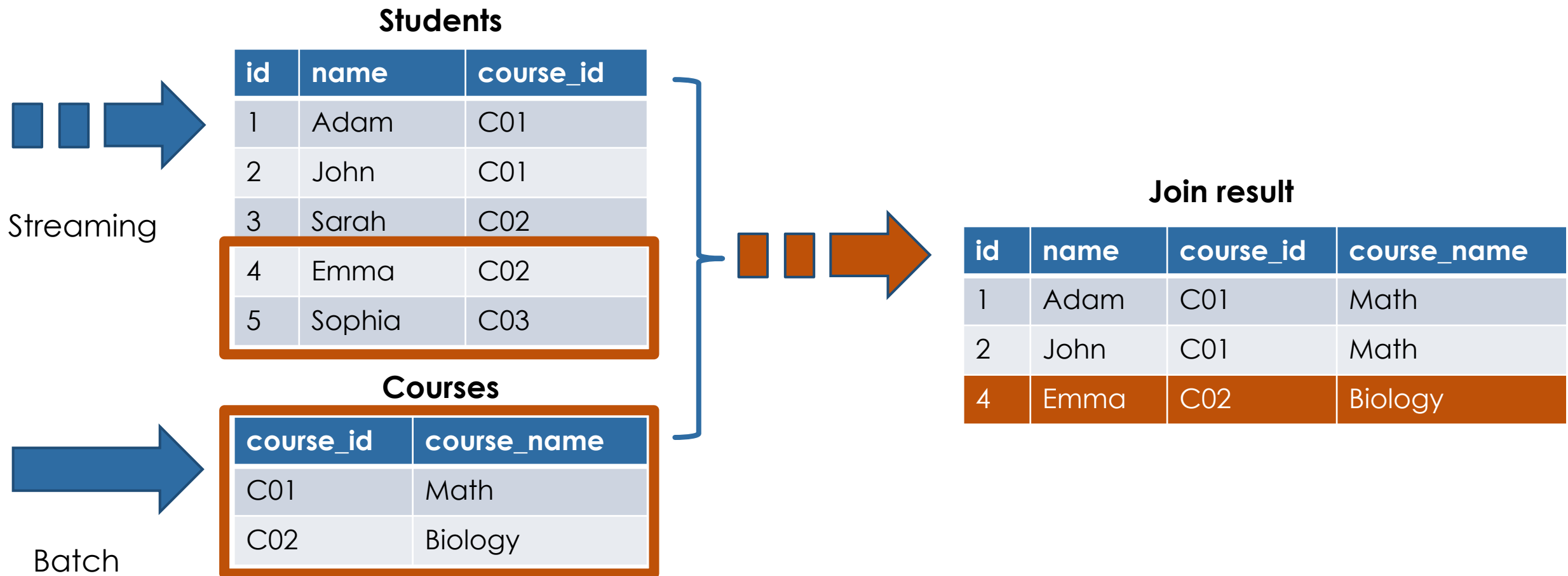
Streaming drives the join



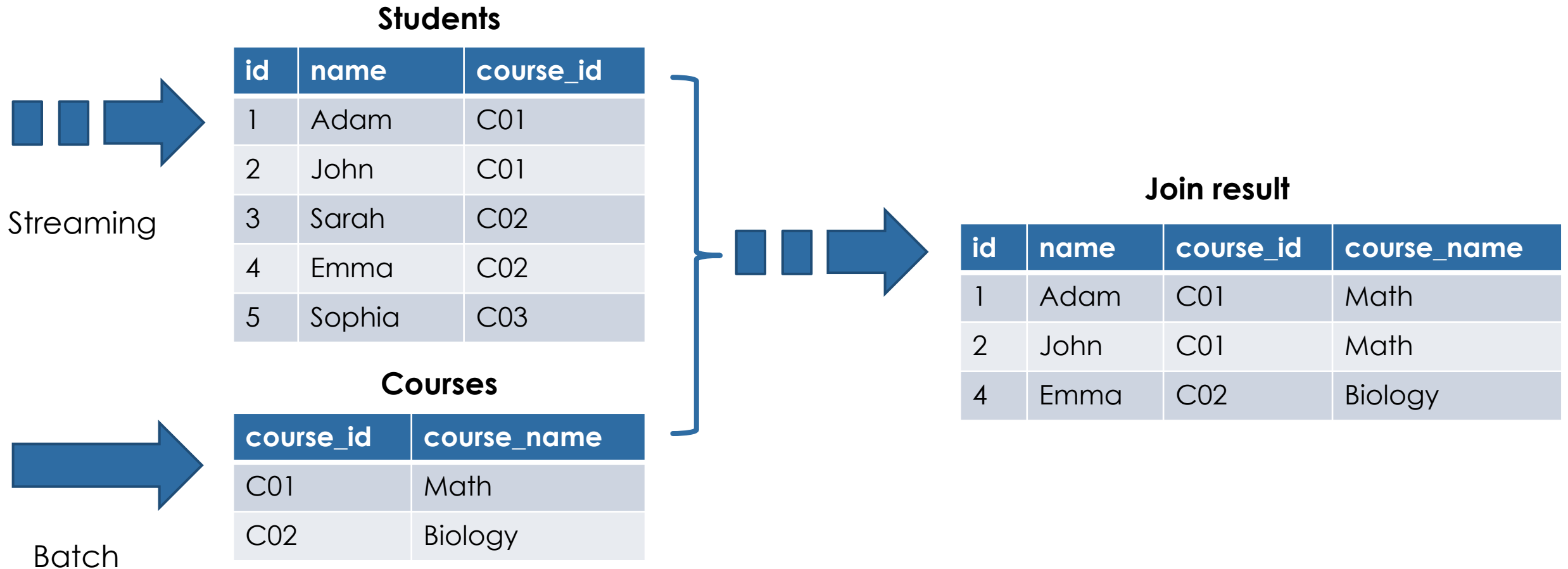
Limitations: Unmatched records



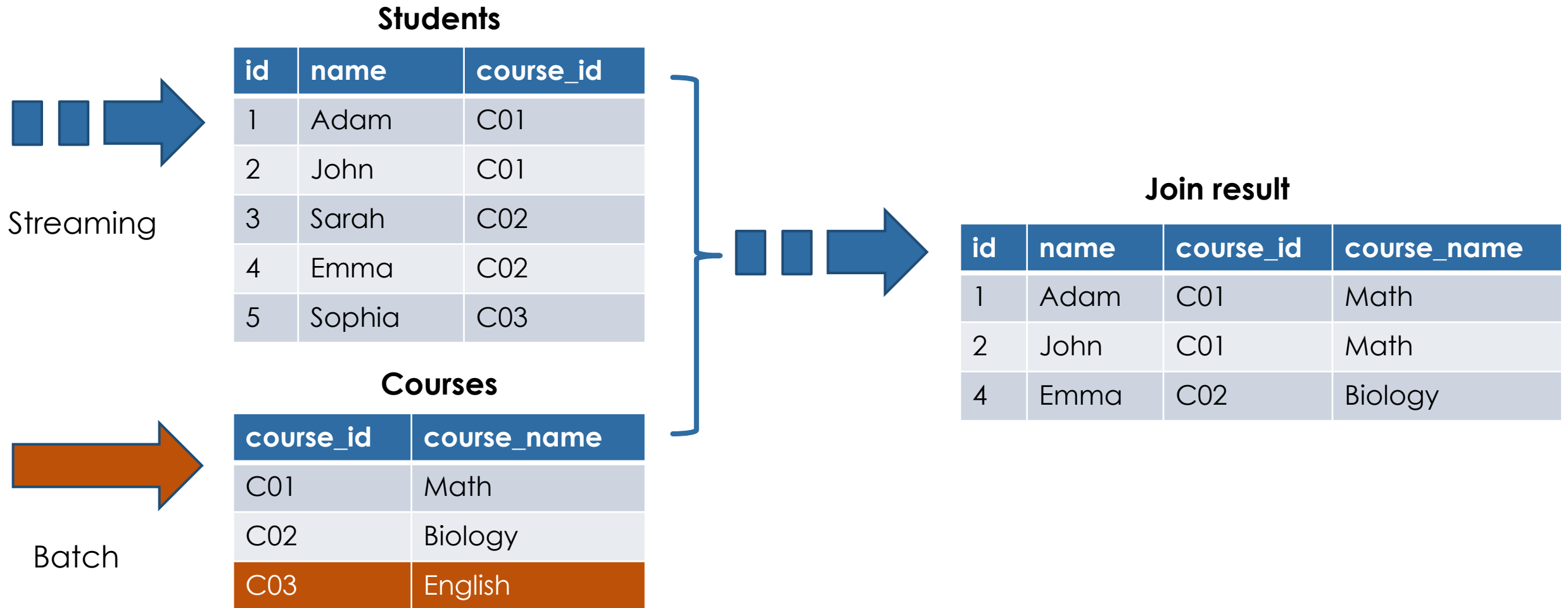
Limitations: Unmatched records



Stream-static joins are not stateful



Stream-static joins are not stateful



Stream-static joins are not stateful

