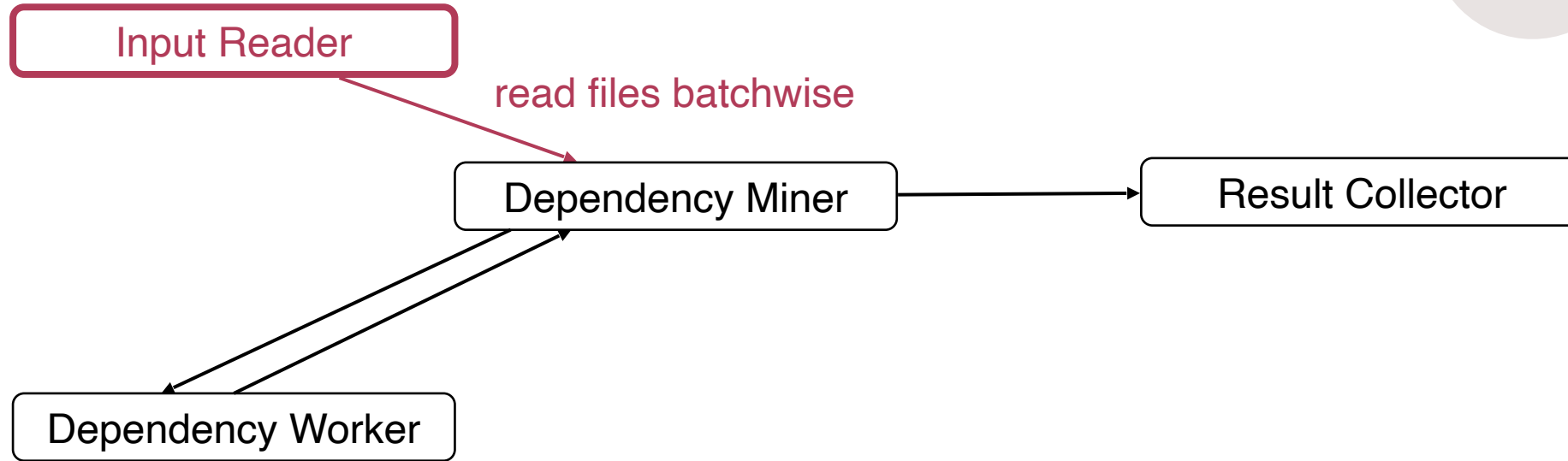
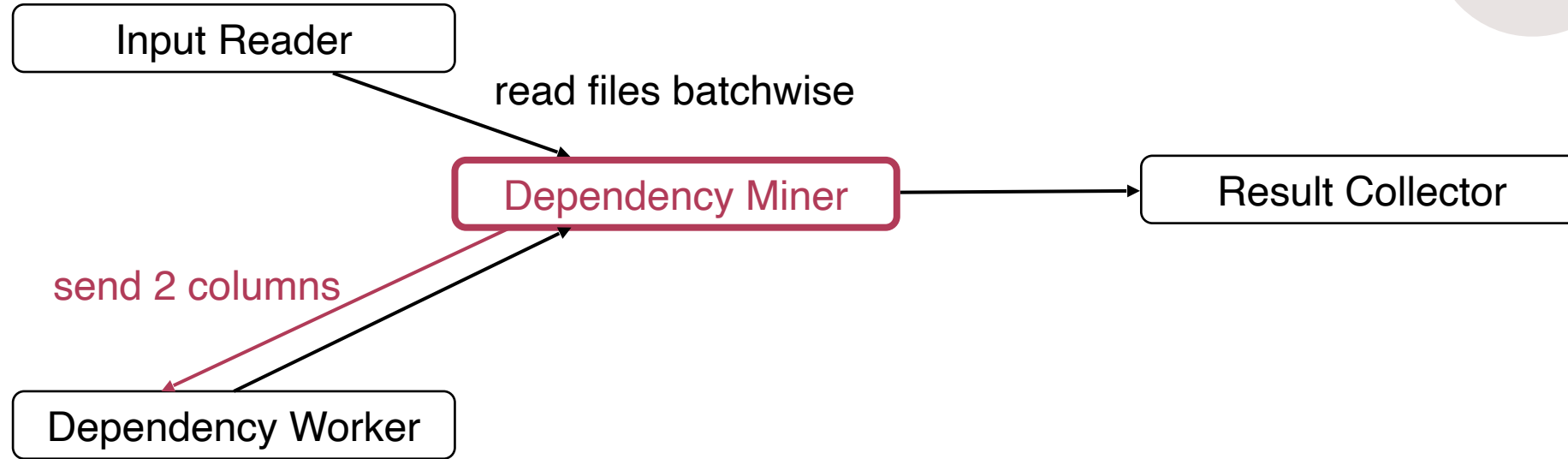


Input Reader



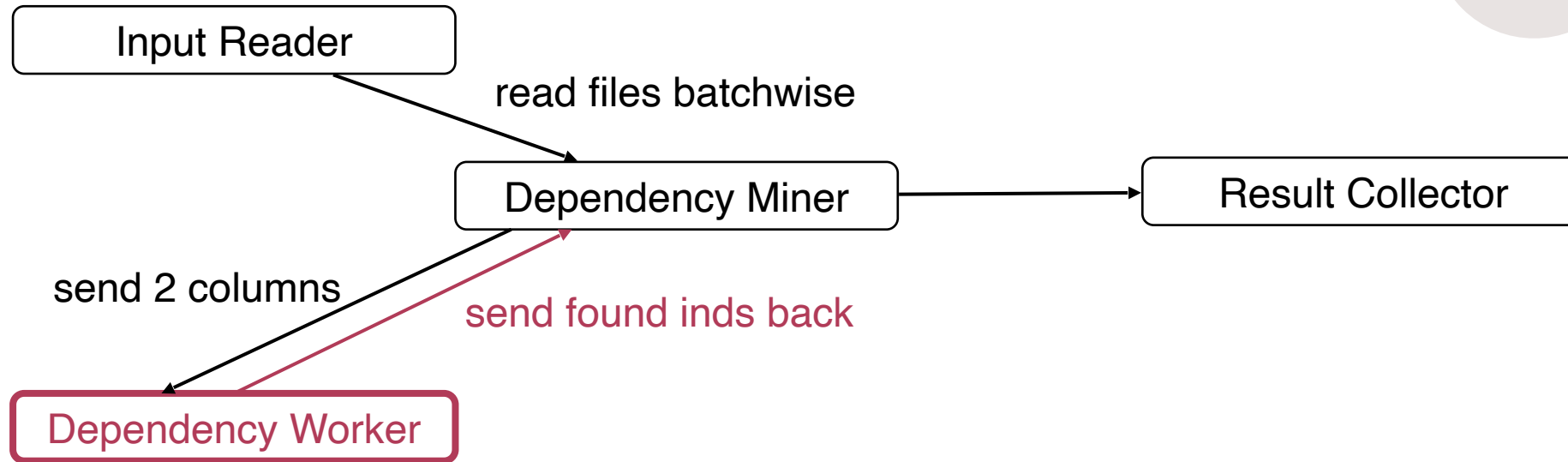
- Description: The Input Reader is responsible for the initial stage of the workflow. It handles the ingestion of data by reading files in a batch-wise manner. This ensures that large volumes of data can be processed efficiently, in manageable chunks, without overloading the system.
-

Dependency Miner (Queue)



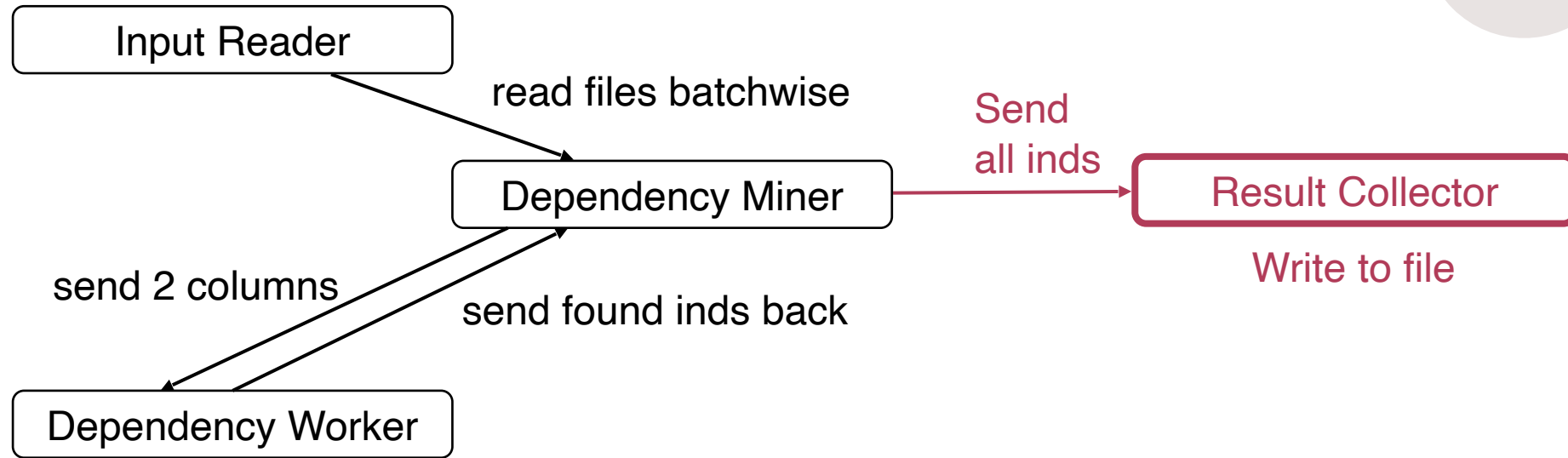
- The Dependency Miner acts as a queuing system and orchestrates the flow of information. It receives the data from the Input Reader and distributes it as tasks to the Dependency Workers.

Dependency Worker



- The Dependency Worker is where the core processing of data occurs. It takes the data from the Dependency Miner, searches for inds in it and sends them back to the Dependency Miner after processing.

Result Collector



- Description: The Result Collector is the final stage in the workflow. Its primary function is to gather the processed data from the Dependency Miner. The results are then written to the result.txt.