Attempt this question based on the lecture (use the same assumptions and approach). Given the following search statement (Students best programming language)

- **What are the terms you will need to perform this query (or term posting lists)?**

The terms are: "Students", "Best", "Programming", "Language"

- **What operation is this (And, OR, something else)?**

Operation is: AND

- **Write a general description of the algorithm you will need to implement to perform this retrieval, assuming you have the terms you needed from part one. You may write a description or an algorithm, whatever you prefer. Or you could draw it and take a picture and attach it to your answer.**

Class Reducer

    Method Initialize

        Tprev $\leftarrow \varnothing$ // previous term

        P $\leftarrow$ new PostingsList   // empty postings list to hole document id

    Method Reduce((t,n), [f])

        If (t $\neq$ tprev AND tprev $\neq \varnothing$) then

               Emit(term tprev, postings P) // emit current postings list

               P.reset()   // reset postings list for new term

        P.add(new Pair(n,f))   // add current docid and frequency

        Tprev $\leftarrow$ t   // update tprev

    Method Close

        Emit(term tprev; postings P) // emit the final postings list