1. Given the following text snippets:
   - To be or not to be,
   - To do is to be,
   - To be is to do.

   How you could implement MapReduce functionality to these text examples. Which approach you would suggest? Proceed the MapReduce functions and show the results.

2. How you can recover the texts from the reduced values? Is the MapReduce reliable for this feature?

3. How is the "reduced" data stored? Try to figure out the abstract data flow in cloud architectures?

4. How You can map the previous discussed example to the architecture\(^1\) below. Can You figure out differences? Compare the given architecture to the architectures from the lecture.

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\(^1\)Obtained from YAHOO! Developer Network Module 4.
Figure 1: Detailed Data Flow Architecture for MapReduce