

Lab 2: Generators, Map/Reduce and MRJob

CS 660 Data Science at Scale
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Lab 2 Problems Map/Reduce and Generators

1. Run the examples from the lecture on Generators, Delayed Evaluation and Functional Programming
2. Write a prime number generator using yield
3. Implement `map(f, L)` where `f` is a function and `L` is a list by constructing a list
4. Implement `map` using `yield`
5. Implement `map` by creating an iterator object

Lab 2 Problems: MRJob

1. Run the examples from the lecture on Introduction to Map/Reduce with MRJob
2. Use MRJob to count letter frequencies
3. Use MRJob to sort words by frequency
4. [extra] Use MRJob to find the k most frequently occurring words