Assignment 1

• Run the simple MapReduce example in the book (the weather dataset

example).

• Get the code and input data, or type it in as shown in Example 2-3, 2-4, and

2-5 in the book.

• I recommend downloading all of the code examples from here:

https://github.com/tomwhite/hadoop-book/ (just press the zip button).

• Unzip the downloaded file, hadoop-book-master.zip, and you will see the

code example for this assignment in Ch02 directory.

• For the Java example, see directory: hadoop-bookmaster\ch02\src\main\java.

• The files MaxTemperature.java, MaxTemperatureMapper.java, and

MaxTemperatureReducer.java are what you need.

• The small sample data for the weather example is in file:

hadoop-book-master\input\ncdc\micro\sample.txt

• Email me if you have trouble, it is also ok to work together if you get stuck.

• Hand in all of the following items at next class:

• Evidence that you have installed Hadoop and it is working (e.g. show that

this command runs: “hadoop version”)

• Evidence that the Java program runs using Eclipse

(remember to set runtime arguments in “Run -> Run Configurations… ->

Arguments”)

• Evidence that the correct output is obtained (similar to the output in

section ‘A Test Run’ on pp.25-26)