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Chapter number	Software required (With version)	Free/Proprietary	If proprietary, can code testing be performed using a trial version	If proprietary, then cost of the software	Download links to the software	Hardware specifications	OS required
1	None	None	None	None	None	None	None
2	OpenJDK 1.8.0_171 64 bit Apache Hadoop-3.1.0	Free	None	None	http://www.apache.org/dyn/closer.cgi/hadoop/common/	Minimum one machine with : - CPU \geq 2 Core 2.5 GHz or more frequency - Memory \geq 8 GB RAM - Storage \geq 100 GB of free space at least for running programs, processing data	Ubuntu 16.04.3_LTS
3	OpenJDK 1.8.0_171 64 bit Apache Hadoop-3.1.0	Free	None	None	http://www.apache.org/dyn/closer.cgi/hadoop/common/	Minimum one machine with : - CPU \geq 2 Core 2.5 GHz or more frequency - Memory \geq 8 GB RAM - Storage \geq 100 GB of free space at least for running programs, processing data	Ubuntu 16.04.3_LTS

4	OpenJDK 1.8.0_171 64 bit Apache Hadoop-3.1.0	Free	None	None	http:// www. apache. org/dyn/ closer. cgi/ hadoop/ common/	Minimum one machine with : - CPU ≥ 2 Core 2.5 GHz or more frequency - Memory ≥ 8 GB RAM - Storage≥ 100 GB of free space at least for running programs, processing data	Ubuntu 16.04.3_LTS
5	OpenJDK 1.8.0_171 64 bit Apache Hadoop-3.1.0	Free	None	None	http:// www. apache. org/dyn/ closer. cgi/ hadoop/ common/	Minimum one machine with : - CPU ≥ 2 Core 2.5 GHz or more frequency - Memory ≥ 8 GB RAM - Storage≥ 100 GB of free space at least for running programs, processing data	Ubuntu 16.04.3_LTS
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Detailed installation steps (software-wise)

The steps should be listed in a way that it prepares the system environment to be able to test the codes of the book.

1. Apache Hadoop Installation:

1. Please refer to Chapter 2 - it is dedicated to installation

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