

## Software specifications

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
All	Visual Studio 2017		Yes		<a href="https://www.visualstudio.com/vs/whatsnew/">https://www.visualstudio.com/vs/whatsnew/</a>	<a href="https://www.visualstudio.com/en-us/productinfo/vs2017-system-requirements-vs">https://www.visualstudio.com/en-us/productinfo/vs2017-system-requirements-vs</a>	Windows
8	SqlServer 2008R2 or later (Express or dev edition)				<a href="https://www.microsoft.com/en-in/download/details.aspx?id=30438">https://www.microsoft.com/en-in/download/details.aspx?id=30438</a>	Supported Operating System Windows 7, Windows Server 2003, Windows Server 2008, Windows	Windows

						Server 2008 R2, Windows Vista, Windows XP System Memory: Minimum 512 MB for SQL Server Express with Tools, and SQL Server Express with Advanced Services and 4 GB for Reporting Services that installs with SQL Server Express with Advanced Services Hard Disk:  2.2 GB of	
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						<p>Disk Space</p> <p>Processors :</p> <p>X86: Pentium III- compatible processor or faster (Processor Speed - 1.0 GHz or faster)</p> <p>X64: Minimum: AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support (Processor Speed - 1.0 GHz or</p>	
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						faster)  IA64: Itanium processor or faster (Processor Speed - 1.0 GHz or faster) Limitations : SQL Server Express supports 1 physical processor, 1 GB memory, and 10 GB storage	

## 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.

Refer to the following link for installation instructions:

- <https://docs.microsoft.com/en-us/visualstudio/install/install-visual-studio>