Key differences between coding and programming

How do coding and programming fit into the software development industries? There are a few key differences to know between the two:

Skills needed: Coders don't necessarily have to be skilled in programming, but programmers should be knowledgeable with the bigger picture and should understand coding. Programmers not only have to write code, they also have to understand algorithms to ensure that the code they write is optimized in the best possible way.

Difficulty: If you want to be a coder, you need to learn all about programming language. As a programmer, you'll need to know this as well as how various algorithms work.

Work scope: When putting together software, as a coder, you're responsible for putting together a specific piece of code for part of the program. As a programmer, you have more responsibility as you need to look at the bigger picture and ensure that the software runs smoothly on all fronts.

The information in this chart from Hackr.io provides a great summary of the key differences between coding and programming.

Key points	Coding	Programming
Skills	It is a process to convert a set of instructions into a language that the computer can understand	Has a wider scope so apart from coding it also involves defining requirements, writing pseudo code, testing and building executables
Scope	As a coder, you need to know the syntax of the programming language	As a programmer, you need high-level thinking and analytical skills apart from coding skills
Tools	Eclipse, Bootstrap, Delphi, ATOM and many more	To add on to the coding tools other tools such as Git and Github, Database Tools, Analytical tools such as Apache Spark, Presentation tools, Cloud tools are also essential.
Outcome	A working piece of code	The whole application, a software product or a website
Support	Extensive developer community support is available	Extensive community support is available

[https://www.lighthouselabs.ca/en/blog/coding-vs-programming]