

## Before reading

When I first saw 'literacy', I subconsciously thought that it must mean the ability to read and write a language at a proficient level, and the ability to use these skills to communicate effectively. And in general, literacy means having the necessary skills and knowledge to understand, evaluate and create meaning in written language. Literacy is the first thing that people are exposed to at birth, and with literacy comes the development of each individual's life; it is the medium through which people communicate with each other and is essential for interpersonal communication.

If literacy is always used in the computer field, it should be a computer literacy. When we refer to computer programming as a literacy, we mean that it is a set of skills and knowledge necessary to participate in the modern digital world. Computer programming is a way of communicating with and understanding the digital world around us, just as reading and writing are ways of communicating with and understanding the physical world.

In the digital age, literacy means having a basic understanding of programming concepts such as algorithms, data structures and logic. This understanding is important not only for those working in the technical field, but also for everyone who wants to use digital tools effectively and participate fully in modern society.

## After reading

After reading the relevant articles, I understood that by referring to computer programming as a literacy, we emphasise its importance as an essential skill that everyone should learn, regardless of their background or career path. It also means that programming is a creative and expressive medium that allows individuals to solve problems, build applications and express themselves in new ways.

In addition, the concept of programming as a literacy emphasises the importance of digital citizenship. This means understanding the social, ethical and political implications of technology and using this understanding to make informed decisions about its use. It also means being aware of the impact of technology on society and working to create a fairer and more just digital future.

In summary, calling computer programming a literacy means recognising its importance as an essential skill for participation in the digital world, and as a creative and expressive medium for problem solving and self-expression. It also highlights the importance of digital citizenship and working towards a fairer and more just digital future.

"Not everyone needs to know how to code, but everyone needs to understand how technology works." - Tim Cook, Chief Executive Officer of Apple Inc.

This quote highlights the importance of understanding the impact of technology on our lives, even if we don't necessarily need to be proficient at coding. It also highlights the need for broader digital literacy, including an understanding of the social and ethical implications of technology.

"Coding is important, but it's not the new literacy. It is not something you need to know in order to be literate in the 21st century." - Douglas Rushkoff, media theorist

According to Rushkoff, coding is only one aspect of digital literacy, and a more holistic understanding of technology is needed in order to navigate the complexities of the modern world. He suggests that critical thinking, problem solving and creative expression are just as important as coding skills.

"Coding is not the new literacy. It is the new Latin." - Paul Ford, author and technologist

This quote suggests that coding has become an elite skill and, like Latin in the past, it may not be necessary for everyone to learn it in order to participate fully in society. Instead, we need to focus on creating a fairer, more accessible digital future for all.

In addition to these quotes, some scholars have challenged the notion of coding literacy by pointing out the potential biases and limitations of teaching coding as a generic skill. For example, feminist scholars have highlighted the need to question the gendered and racialised assumptions behind many coding education programmes and to consider the wider social and political implications of promoting universal coding literacy.