# What Is Software Programming?

Software programming a profession within the computer technology field that primarily deals with writing code. Read on to get a programming and software development definition as well as a computer software programmer job description.

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## Software Programming Definition

Software programming is the act of writing computer code that enables computer software to function. The computer technology field often has overlapping terminology that can be confusing to discern. Software programming is not the same as software development. Development is the actual design of a program while programming is the carrying out of the instructions of development. People who program software are called computer programmers.

## Types of Software Programming

Software programs are usually categorized into the programming languages that are compatible with them. There are many types of programming languages in existence, but below is a list of some well-known codes and what they are used for.

* **JavaScript**. JavaScript is commonly used on websites to add interactive elements.
* **SQL (Structured Query Language)**. SQL is a database query language that allows websites to transfer data from large databases.
* **Python**. Python is a language used for a wide variety of things, from web apps to data analysis.
* **Java**. Java is typically used in video games and mobile apps, including apps for Android devices.
* **C#**. Comparable to Java, C# is used for Microsoft apps.

Many of these programs offer certification from the company that developed them. For instance, Oracle has the Oracle Certified Associate Java Programmer (OCAJP) and the Oracle Certified Professional Java Programmer (OCPJP) certification. Certification typically involves passing an exam; getting certified is an important step in proving your knowledge and finding employment as a computer programmer.

## Computer Software Programmer Job Description

Computer software programmers are commonly known as computer programmers. Computer programmers and software developers often get mixed up because they work together and a lot of their job duties overlap. The main distinction between the two is that computer programmers are primarily responsible for the code that enables software programs to work. A few job duties that are specific to computer programmers include:

* Updating and expanding existing programs
* Writing new programs in various languages
* Testing programs for mistakes and fixing faulty code
* Using code libraries, or collections of independent code lines, to simplify the code writing process