This can be a non-trivial task, for example as with parallel processes or some unusual software bugs. Some of these factors include: The presentation aspects of this (such as indents, line breaks, color highlighting, and so on) are often handled by the source code editor, but the content aspects reflect the programmer's talent and skills. It is very difficult to determine what are the most popular modern programming languages. Provided the functions in a library follow the appropriate run-time conventions (e.g., method of passing arguments), then these functions may be written in any other language. When debugging the problem in a GUI, the programmer can try to skip some user interaction from the original problem description and check if remaining actions are sufficient for bugs to appear. However, with the concept of the stored-program computer introduced in 1949, both programs and data were stored and manipulated in the same way in computer memory. Following a consistent programming style often helps readability. Debugging is a very important task in the software development process since having defects in a program can have significant consequences for its users. By the late 1960s, data storage devices and computer terminals became inexpensive enough that programs could be created by typing directly into the computers. The following properties are among the most important: In computer programming, readability refers to the ease with which a human reader can comprehend the purpose, control flow, and operation of source code. It affects the aspects of quality above, including portability, usability and most importantly maintainability. As early as the 9th century, a programmable music sequencer was invented by the Persian Banu Musa brothers, who described an automated mechanical flute player in the Book of Ingenious Devices. Some text editors such as Emacs allow GDB to be invoked through them, to provide a visual environment. Machine code was the language of early programs, written in the instruction set of the particular machine, often in binary notation. Provided the functions in a library follow the appropriate run-time conventions (e.g., method of passing arguments), then these functions may be written in any other language. Computer programmers are those who write computer software. Unreadable code often leads to bugs, inefficiencies, and duplicated code. There are many approaches to the Software development process. Programs were mostly entered using punched cards or paper tape. Debugging is a very important task in the software development process since having defects in a program can have significant consequences for its users. Expert programmers are familiar with a variety of well-established algorithms and their respective complexities and use this knowledge to choose algorithms that are best suited to the circumstances. Use of a static code analysis tool can help detect some possible problems. Following a consistent programming style often helps readability. Unreadable code often leads to bugs, inefficiencies, and duplicated code.