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. Code-breaking algorithms have also existed for centuries. For example, when a bug in a compiler can make it crash when parsing some large source file, a simplification of the test case that results in only few lines from the original source file can be sufficient to reproduce the same crash. Computer programmers are those who write computer software. In 1801, the Jacquard loom could produce entirely different weaves by changing the "program" – a series of pasteboard cards with holes punched in them. FORTRAN, the first widely used high-level language to have a functional implementation, came out in 1957, and many other languages were soon developed—in particular, COBOL aimed at commercial data processing, and Lisp for computer research. Sometimes software development is known as software engineering, especially when it employs formal methods or follows an engineering design process. Techniques like Code refactoring can enhance readability. Following a consistent programming style often helps readability. Some text editors such as Emacs allow GDB to be invoked through them, to provide a visual environment. For example, COBOL is still strong in corporate data centers often on large mainframe computers, Fortran in engineering applications, scripting languages in Web development, and C in embedded software. This can be a non-trivial task, for example as with parallel processes or some unusual software bugs. Computer programming or coding is the composition of sequences of instructions, called programs, that computers can follow to perform tasks. In 1801, the Jacquard loom could produce entirely different weaves by changing the "program" - a series of pasteboard cards with holes punched in them. 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. Computer programmers are those who write computer software. Many factors, having little or nothing to do with the ability of the computer to efficiently compile and execute the code, contribute to readability. Many applications use a mix of several languages in their construction and use. 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. Languages form an approximate spectrum from "low-level" to "high-level"; "low-level" languages are typically more machine-oriented and faster to execute, whereas "high-level" languages are more abstract and easier to use but execute less quickly. Techniques like Code refactoring can enhance readability. Programmers typically use high-level programming languages that are more easily intelligible to humans than machine code, which is directly executed by the central processing unit. A similar technique used for database design is Entity-Relationship Modeling (ER Modeling). Use of a static code analysis tool can help detect some possible problems. Various visual programming languages have also been developed with the intent to resolve readability concerns by adopting non-traditional approaches to code structure and display.