Some text editors such as Emacs allow GDB to be invoked through them, to provide a visual environment. A similar technique used for database design is Entity-Relationship Modeling (ER Modeling). They are the building blocks for all software, from the simplest applications to the most sophisticated ones. 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. Normally the first step in debugging is to attempt to reproduce the problem. Techniques like Code refactoring can enhance readability. Some languages are more prone to some kinds of faults because their specification does not require compilers to perform as much checking as other languages. There exist a lot of different approaches for each of those tasks. Different programming languages support different styles of programming (called programming paradigms). Integrated development environments (IDEs) aim to integrate all such help. They are the building blocks for all software, from the simplest applications to the most sophisticated ones. 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. It is usually easier to code in "high-level" languages than in "low-level" ones. Computer programmers are those who write computer software. Integrated development environments (IDEs) aim to integrate all such help. Programmable devices have existed for centuries. Readability is important because programmers spend the majority of their time reading, trying to understand, reusing and modifying existing source code, rather than writing new source code. There are many approaches to the Software development process. Sometimes software development is known as software engineering, especially when it employs formal methods or follows an engineering design process. A study found that a few simple readability transformations made code shorter and drastically reduced the time to understand it. 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. Following a consistent programming style often helps readability. He gave the first description of cryptanalysis by frequency analysis, the earliest code-breaking algorithm. Code-breaking algorithms have also existed for centuries. 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.