There exist a lot of different approaches for each of those tasks. For this purpose, algorithms are classified into orders using so-called Big O notation, which expresses resource use, such as execution time or memory consumption, in terms of the size of an input. Whatever the approach to development may be, the final program must satisfy some fundamental properties. After the bug is reproduced, the input of the program may need to be simplified to make it easier to debug. Programs were mostly entered using punched cards or paper tape. Text editors were also developed that allowed changes and corrections to be made much more easily than with punched cards. The first compiler related tool, the A-0 System, was developed in 1952 by Grace Hopper, who also coined the term 'compiler'. It affects the aspects of quality above, including portability, usability and most importantly maintainability. Machine code was the language of early programs, written in the instruction set of the particular machine, often in binary notation. 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. For this purpose, algorithms are classified into orders using so-called Big O notation, which expresses resource use, such as execution time or memory consumption, in terms of the size of an input. Some text editors such as Emacs allow GDB to be invoked through them, to provide a visual environment. Different programming languages support different styles of programming (called programming paradigms). It is usually easier to code in "high-level" languages than in "low-level" ones. Code-breaking algorithms have also existed for centuries. Compilers harnessed the power of computers to make programming easier by allowing programmers to specify calculations by entering a formula using infix notation. A study found that a few simple readability transformations made code shorter and drastically reduced the time to understand it. It affects the aspects of quality above, including portability, usability and most importantly maintainability. Use of a static code analysis tool can help detect some possible problems. However, because an assembly language is little more than a different notation for a machine language, two machines with different instruction sets also have different assembly languages. Code-breaking algorithms have also existed for centuries. Programmable devices have existed for centuries. Later a control panel (plug board) added to his 1906 Type I Tabulator allowed it to be programmed for different jobs, and by the late 1940s, unit record equipment such as the IBM 602 and IBM 604, were programmed by control panels in a similar way, as were the first electronic computers. High-level languages made the process of developing a program simpler and more understandable, and less bound to the underlying hardware. Many programmers use forms of Agile software development where the various stages of formal software development are more integrated together into short cycles that take a few weeks rather than years.