Implementation techniques include imperative languages (object-oriented or procedural), functional languages, and logic languages. 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. There exist a lot of different approaches for each of those tasks. Trial-and-error/divide-and-conquer is needed: the programmer will try to remove some parts of the original test case and check if the problem still exists. Unreadable code often leads to bugs, inefficiencies, and duplicated code. 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. Trial-and-error/divide-and-conquer is needed: the programmer will try to remove some parts of the original test case and check if the problem still exists. One approach popular for requirements analysis is Use Case analysis. One approach popular for requirements analysis is Use Case analysis. Some text editors such as Emacs allow GDB to be invoked through them, to provide a visual environment. Normally the first step in debugging is to attempt to reproduce the problem. A study found that a few simple readability transformations made code shorter and drastically reduced the time to understand it. 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. By the late 1960s, data storage devices and computer terminals became inexpensive enough that programs could be created by typing directly into the computers. Programming languages are essential for software development. Some text editors such as Emacs allow GDB to be invoked through them, to provide a visual environment. Computer programming or coding is the composition of sequences of instructions, called programs, that computers can follow to perform tasks. 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. Scripting and breakpointing is also part of this process. Auxiliary tasks accompanying and related to programming include analyzing requirements, testing, debugging (investigating and fixing problems), implementation of build systems, and management of derived artifacts, such as programs' machine code. 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. There exist a lot of different approaches for each of those tasks. Some text editors such as Emacs allow GDB to be invoked through them, to provide a visual environment. Trial-and-error/divide-and-conquer is needed: the programmer will try to remove some parts of the original test case and check if the problem still exists. Programming languages are essential for software development.