Unreadable code often leads to bugs, inefficiencies, and duplicated code. Text editors were also developed that allowed changes and corrections to be made much more easily than with punched cards. Many applications use a mix of several languages in their construction and use. The academic field and the engineering practice of computer programming are both largely concerned with discovering and implementing the most efficient algorithms for a given class of problems. 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. Some languages are very popular for particular kinds of applications, while some languages are regularly used to write many different kinds of applications. The first compiler related tool, the A-0 System, was developed in 1952 by Grace Hopper, who also coined the term 'compiler'. After the bug is reproduced, the input of the program may need to be simplified to make it easier to debug. These compiled languages allow the programmer to write programs in terms that are syntactically richer, and more capable of abstracting the code, making it easy to target varying machine instruction sets via compilation declarations and heuristics. By the late 1960s, data storage devices and computer terminals became inexpensive enough that programs could be created by typing directly into the computers. After the bug is reproduced, the input of the program may need to be simplified to make it easier to debug. New languages are generally designed around the syntax of a prior language with new functionality added, (for example C++ adds object-orientation to C, and Java adds memory management and bytecode to C++, but as a result, loses efficiency and the ability for low-level manipulation). Some text editors such as Emacs allow GDB to be invoked through them, to provide a visual environment. After the bug is reproduced, the input of the program may need to be simplified to make it easier to debug. It is very difficult to determine what are the most popular modern programming languages. However, Charles Babbage had already written his first program for the Analytical Engine in 1837. 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. One approach popular for requirements analysis is Use Case analysis. 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. Debugging is a very important task in the software development process since having defects in a program can have significant consequences for its users. Different programming languages support different styles of programming (called programming paradigms). However, readability is more than just programming style. 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.