There are many approaches to the Software development process..  
Compilers harnessed the power of computers to make programming easier by allowing programmers to specify calculations by entering a formula using infix notation.  
 Programs were mostly entered using punched cards or paper tape.  
 In the 1880s, Herman Hollerith invented the concept of storing data in machine-readable form.  
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.  
 Following a consistent programming style often helps readability.  
Text editors were also developed that allowed changes and corrections to be made much more easily than with punched cards.  
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.  
Some text editors such as Emacs allow GDB to be invoked through them, to provide a visual environment.  
However, readability is more than just programming style.  
 Whatever the approach to development may be, the final program must satisfy some fundamental properties.  
It involves designing and implementing algorithms, step-by-step specifications of procedures, by writing code in one or more programming languages.  
Normally the first step in debugging is to attempt to reproduce the problem.  
While these are sometimes considered programming, often the term software development is used for this larger overall process – with the terms programming, implementation, and coding reserved for the writing and editing of code per se.  
 The first step in most formal software development processes is requirements analysis, followed by testing to determine value modeling, implementation, and failure elimination (debugging).