Following a consistent programming style often helps readability..  
 In the 1880s, Herman Hollerith invented the concept of storing data in machine-readable form.  
 The first computer program is generally dated to 1843, when mathematician Ada Lovelace published an algorithm to calculate a sequence of Bernoulli numbers, intended to be carried out by Charles Babbage's Analytical Engine.  
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.  
 Debugging is a very important task in the software development process since having defects in a program can have significant consequences for its users.  
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.  
Unreadable code often leads to bugs, inefficiencies, and duplicated 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.  
 A similar technique used for database design is Entity-Relationship Modeling (ER Modeling).  
The choice of language used is subject to many considerations, such as company policy, suitability to task, availability of third-party packages, or individual preference.  
Sometimes software development is known as software engineering, especially when it employs formal methods or follows an engineering design process.  
Text editors were also developed that allowed changes and corrections to be made much more easily than with punched cards.  
They are the building blocks for all software, from the simplest applications to the most sophisticated ones.  
 Code-breaking algorithms have also existed for centuries.  
Techniques like Code refactoring can enhance readability.