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. This can be a non-trivial task, for example as with parallel processes or some unusual software bugs. They are the building blocks for all software, from the simplest applications to the most sophisticated ones. Programming languages are essential for software development. In 1801, the Jacquard loom could produce entirely different weaves by changing the "program" – a series of pasteboard cards with holes punched in them. A similar technique used for database design is Entity-Relationship Modeling (ER Modeling). Programs were mostly entered using punched cards or paper tape. Unreadable code often leads to bugs, inefficiencies, and duplicated code. 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. 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. Provided the functions in a library follow the appropriate run-time conventions (e.g., method of passing arguments), then these functions may be written in any other language. It involves designing and implementing algorithms, step-by-step specifications of procedures, by writing code in one or more programming languages. Techniques like Code refactoring can enhance readability. In 1801, the Jacquard loom could produce entirely different weaves by changing the "program" – a series of pasteboard cards with holes punched in them. Code-breaking algorithms have also existed for centuries. Computer programmers are those who write computer software. Following a consistent programming style often helps readability. Scripting and breakpointing is also part of this process. He gave the first description of cryptanalysis by frequency analysis, the earliest code-breaking algorithm. Many applications use a mix of several languages in their construction and use. However, Charles Babbage had already written his first program for the Analytical Engine in 1837. This can be a non-trivial task, for example as with parallel processes or some unusual software bugs. A similar technique used for database design is Entity-Relationship Modeling (ER Modeling). 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.