The Unified Modeling Language (UML) is a notation used for both the OOAD and MDA.  
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By the late 1960s, data storage devices and computer terminals became inexpensive enough that programs could be created by typing directly into the computers.  
A study found that a few simple readability transformations made code shorter and drastically reduced the time to understand it.  
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This is interpreted into machine code.  
Many applications use a mix of several languages in their construction and use.  
  
The first compiler related tool, the A-0 System, was developed in 1952 by Grace Hopper, who also coined the term 'compiler'.  
 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.  
Ideally, the programming language best suited for the task at hand will be selected.  
 Tasks accompanying and related to programming include testing, debugging, source code maintenance, implementation of build systems, and management of derived artifacts, such as the machine code of computer programs.  
 In the 1880s, Herman Hollerith invented the concept of storing data in machine-readable form.