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HISTORY OF PROGRAMMING LANGUAGE

ACADEMIC BACHELOR THESIS

Computer Systems

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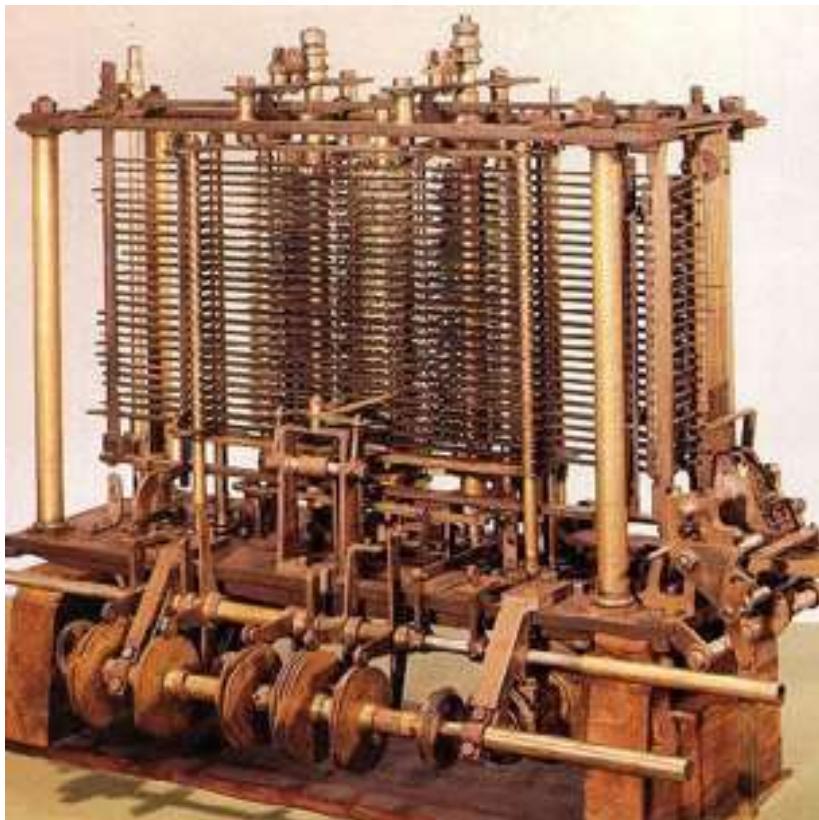
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Introduction

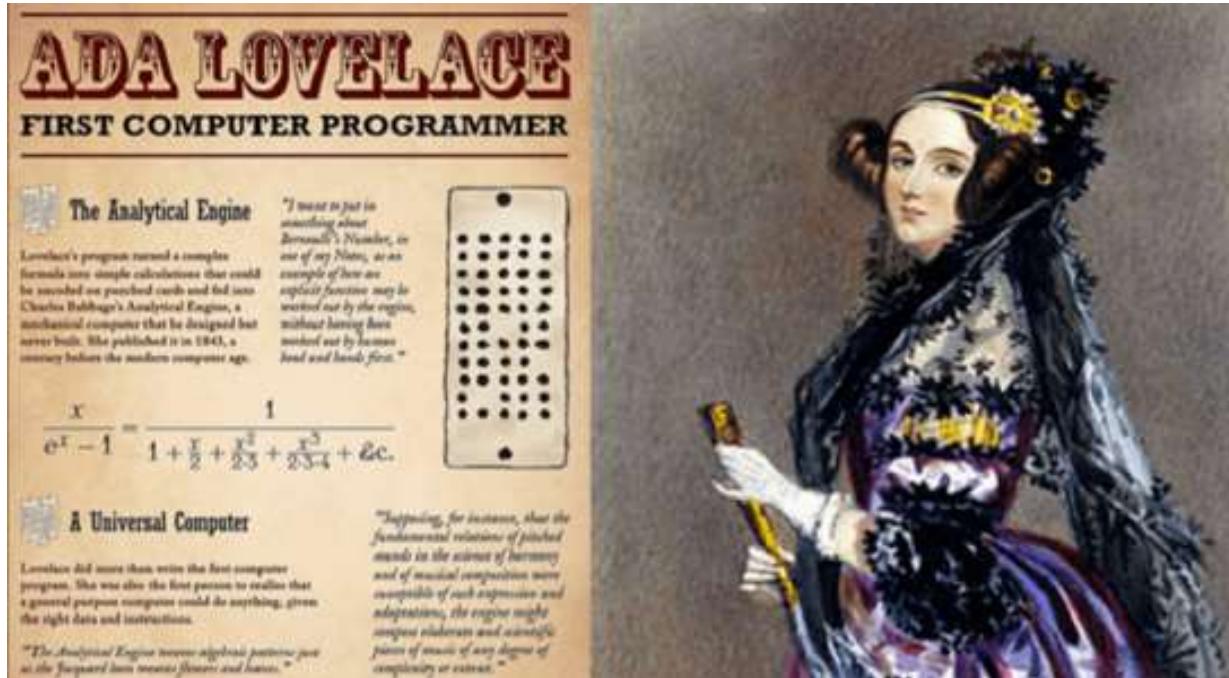
- Programming is the process of giving instructions to a computer to perform specific tasks by using a language it can understand.
- Programming is a key part of modern technologies and generates most of the technologies we come across on a daily basis.

History of Computer Architecture

- Charles Babbage's Machines(1830s-1870s): Charles Babbage is known as the "father of the computer". He created a machine known as novel calculator.



- First programmer: Ada Lovelace created the first program in 1843. She used punch cards so that her program can solve systems of two linear equations.



Early History(1940s-1950s)

- The first generation of electronic computers used vacuum tubes. ENIAC and UNIVAC used machine code of 0s and 1s.
- After that to make coding easier Assembly language was created. In 1957 the first high-level language FORTRAN was designed for scientific calculation.
- Two years after COBOL was made for business applications.

The Development of Modern Programming

- New languages introduced multiple models of how we can use coding.
- In 1972 programming language C became a key language for software system.
- For learning programming easier and faster Pascal and BASIC developed.

The Internet Era(1990s-2000s)

- With the development of the World Wide Web the new languages as HTML, JavaScript, and PHP appeared.
- Java gained popularity as an universal programming language.
- Because of ease of use and adaptability Python became popular in 1991.



Conclusion

This field of computing has developed into cloud computing. A startling range of apps, new technology, and devices from the early days of 19th-century founders and 20th-century inventors.