

# Charles Babbage

**Born on December, 26 1791**

**English “Renaissance Man”**

**Wealthy Heir**



## Father of the Computer

# Difference Engine

*"I wish to God these calculations had been executed by steam"*

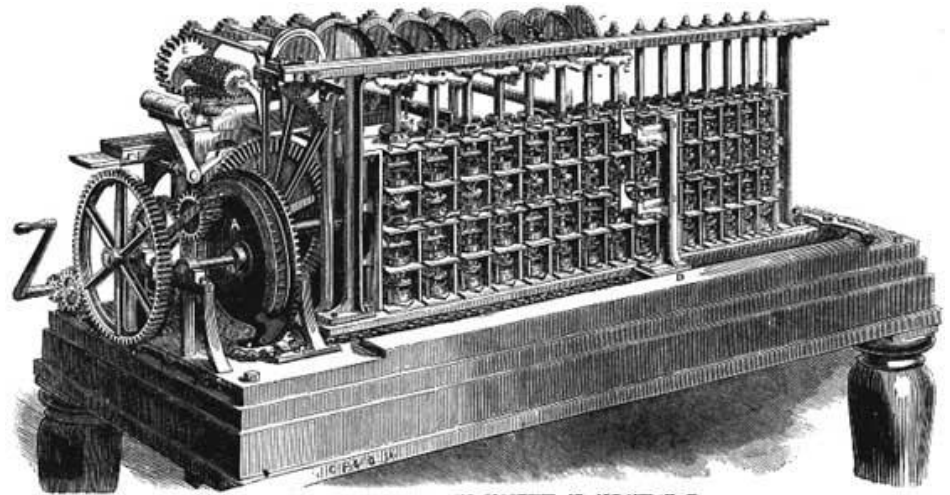
**1822 Proposed**

**1823 Funding approved**

**Produced Mathematical  
tables of logarithmic and  
trigonometric functions**

**Never finished**

**Difference Engine 2  
(1847-1849)**

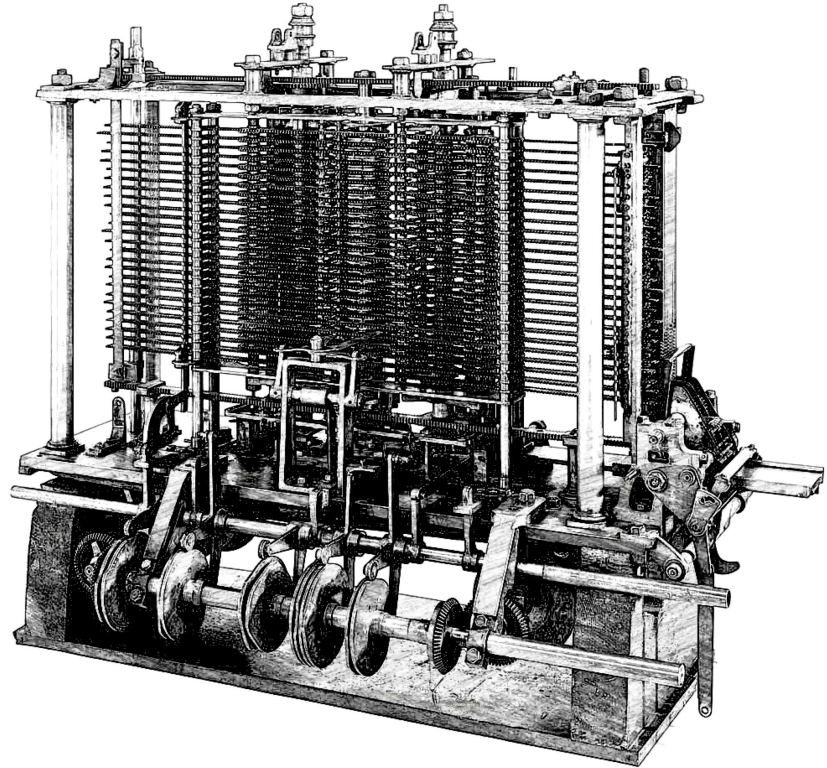


# Analytical Engine

1837 Proposed

General purpose  
computer

Never built

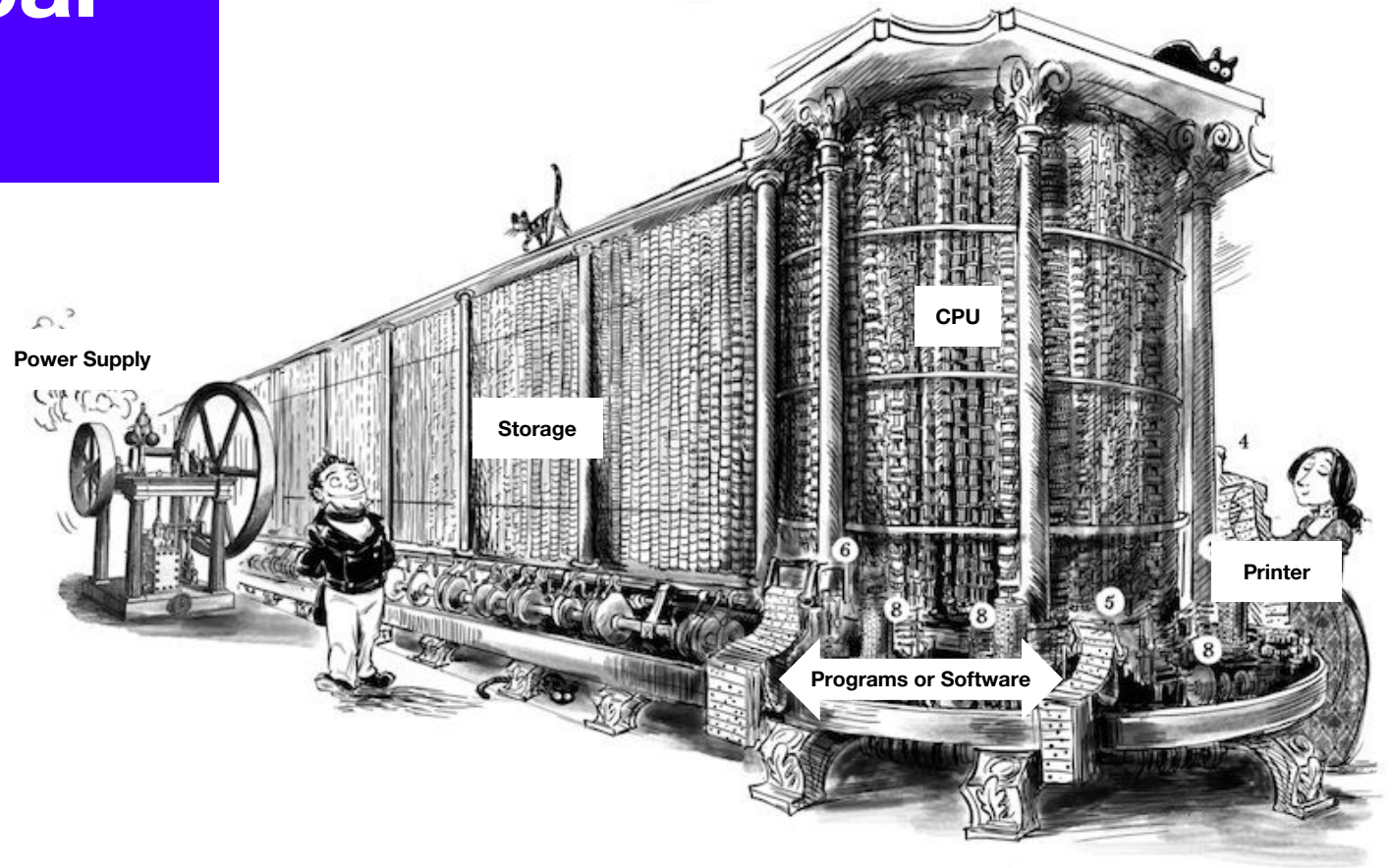


# Analytical Engine

Storage,  
Working Memory  
Input and output

Printer

Ada Lovelace  
programmed





# Human Computer Interaction

Input

Output



# References

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