

INFO5002: Intro to Python for Info Sys

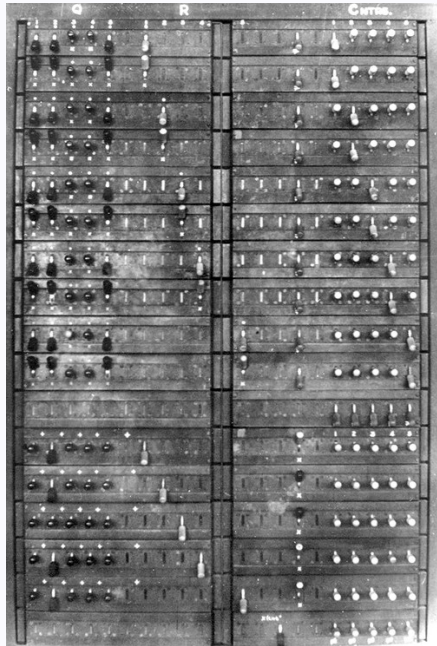
History



Northeastern
University

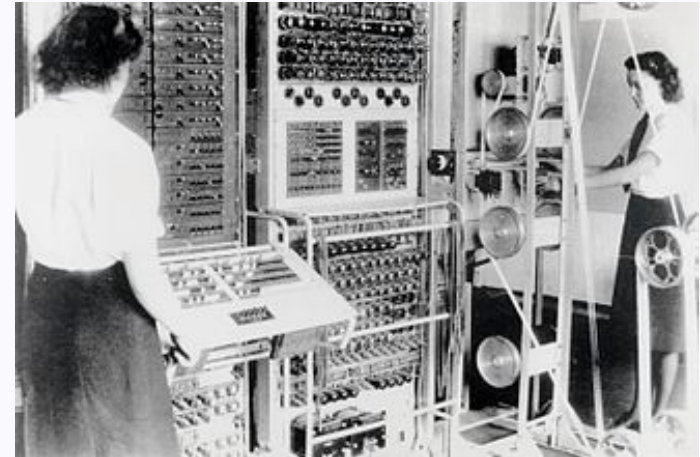
In the beginning

- First electronic digital programmable computer was Colossus (1944).

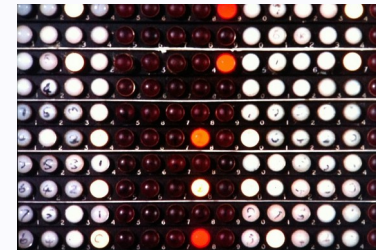


Source: Wikimedia

- Programmed using a set of switches.
- Data was passed in with a tape where the programmed algorithm was executed on.
- Results were outputted to a **lamp panel**.



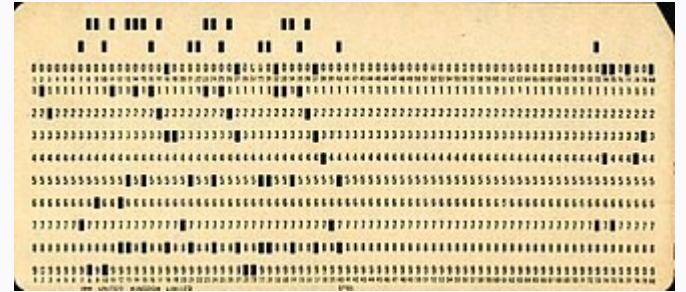
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Punch Cards

- To avoid the annoyance of programming with switches and to allow for data to be saved, punch cards were invented.
- This came with the advent of assembly languages.
- Driven primarily with IBM's mainframe computers (1953).



Source: Wikimedia



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Fortran

- To address the tediousness of programming assembly. Fortran was invented by John Backus as the first high-level programming language (1957).
- Programs were expressed through mathematical equations.
- Initially on punch cards and then through the terminal.



Source: Wikimedia

COBOL

- To enable programming with words rather than mathematical formulae, Rear Admiral Grace Hopper invented the compiler and co-created COBOL (1959).
- Initially on punch cards and then through the terminal.



Source: Britannica

Python

- Guido van Rossum wanted to create a language that is approachable by any human on earth.
- In 2000, Python was born.



Source: Wikimedia