Charles Babbage

| Occupation: University teacher, Inventor, Mathematician, Computer Science, Economist, Writer, Engineer, Philosopher |  |
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| Birth date: 26 December 1791 |
| Death date: 18 October 1871 |
| Place of birth: London |
| Place of death: Marylebone |
| Alma mater: Peterhouse Cambridge, Trinity College |
| Awards: Gold Medal of the Royal Astronomical Society |

| Quotes: |
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| 1. Errors using inadequate data are much less than those using no data at all |
| 1. Perhaps it would be better for science, that all criticism should be avowed |
| 1. In mathematics we have long since drawn the rein, and given over a hopeless race. |

| Known for: |
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| He conceived the first automatic digital computer. |

Ada Lovelace

| Occupation: Software Developer |  |
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| Birth date: 10 December 1815 |
| Death date: 27 November 1852 |
| Place of birth: London |
| Place of death: Marylebone |
| Alma mater: No formal schooling |
| Awards: PRACE Ada Lovelace Award |

| Known for: |
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| The first computer programmer |

George Boole

| Occupation: Mathematician |  |
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| Birth date: 2 November 1815 |
| Death date: 8 December 1864 |
| Place of birth: Lincoln |
| Place of death:Cork, Ireland |
| Alma mater: Lincoln University College Cork |
| Awards: Royal Medal |
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| Quotes: |
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| 1. Probability is expectation founded upon partial knowledge |
| 1. It is not of the essence of mathematics to be conversant with the ideas of number and quantity |
| 1. Of the many forms of false culture, a premature converse with abstractions is perhaps the most likely to prove fatal to the growth of a masculine vigour of intellect |

| Known for: |
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| Differential equations and Algebraic Logic |

Augustus De Morgan

| Occupation: Lawyer |  |
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| Birth date: 27 June 1806 |
| Death date: 18 March 1871 |
| Place of birth: India |
| Place of death: London |
| Alma mater: University of Cambridge |
| Awards: The De Morgan Medal |

| Known for: |
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| He worked on double algebra and trigonometry and his advances in mathematics |

| Law proof: |
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Alan Turing

| Occupation: Computer Scientist, Logician |  |
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| Birth date: 23 June 1912 |
| Death date: 7 June 1954 |
| Place of birth: Maida Vale, London |
| Place of death: Wilmslow |
| Alma mater:Princton University, University of Cambridge, King’s College |
| Awards: Smith’s Prize |

| Quotes: |
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| 1. “Sometimes it is the people no one can imagine anything of who do the things no one can imagine.” |
| 1. “We can only see a short distance ahead, but we can see plenty there that needs to be done.” |
| 1. “Those who can imagine anything, can create the impossible.” |

| Known for: |
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| He created the Universal Turing Machine, which was the basis for the first computer, he also developed a test for artificial intelligence in 1950. |

Claude Shannon

| Occupation: Electronic Engineer, Geneticist |  |
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| Birth date: 30 April 1916 |
| Death date: 24 February 2001 |
| Place of birth: Michigan, US |
| Place of death: Massachusetts, US |
| Alma mater: University of Michigan |
| Awards: Claude Shannon Award of the IEEE Information Theory Society |

| Quotes: |
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| 1. I visualize a time when we will be to robots what dogs are to humans, and I'm rooting for the machines. |
| 1. Information is the resolution of uncertainty. |
| 1. Information: the negative reciprocal value of probability. |

| Known for: |
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| He conceived and laid the foundations for information theory. Laid the groundwork for the electronic communications networks that now lace the earth. |

John Von Neumann

| Occupation: Chemist, Engineer, Economist, Physicist |  |
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| Birth date: 28 December 1903 |
| Death date: 8 February 1957 |
| Place of birth: Budapest, Hungary |
| Place of death: Walter Reed Army Medical Centre, Bethesda |
| Alma mater: ETH Zurich, Humboldt University of Berlin, ELTE Faculty of Science |
| Awards: Medal of Freedom, Enrico Fermi Award. Medal for Merit |

| Quotes: |
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| 1. “If people do not believe that mathematics is simple, it is only because they do not realize how complicated life is.” |
| 1. “Young man, in mathematics you don't understand things. You just get used to them.” |
| 1. “There's no sense in being precise when you don't even know what you're talking about” |

| Known for: |
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| He created the Von Neumann Architecture and his work on the CPU is what he was known for. |

Grace Hopper

| Occupation: Software Developer, Naval Officer, Physicist |  |
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| Birth date: 9 December 1906 |
| Death date: 1 January 1992 |
| Place of birth: New York, US |
| Place of death: Virginia, US |
| Alma mater: Yale University |
| Awards: Presidential Medal of Freedom, IEEE Emanuel R. Piore Award, National Medal of Technology and Innovation |

| Quotes: |
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| 1. *“A ship in port is safe, but that’s not what ships are built for.”* |
| 1. *“I’ve always been more interested in the future than in the past.”* |
| 1. *“One accurate measurement is worth a thousand expert opinions.”* |

| Known for: |
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| She was one of the first computer programmers to work on the Harvard Mark I. She helped develop COBOL - one of the first high-level programming languages. |

John Backus

| Occupation: Soldier, Computer Scientist |  |
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| Birth date: 3 December 1924 |
| Death date: 17 March 2007 |
| Place of birth: Delaware, US |
| Place of death: Oregon, US |
| Alma mater: Columbia University |
| Awards: National Medal of Science, Turing award, Charles Stark Draper Prize |

| Quotes: |
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| 1. They don't like thinking in medical school. They memorize - that's all they want you to do. You must not think. |
| 1. You need the willingness to fail all the time. |
| 1. Much of my work has come from being lazy. |

| Known for:  The invention of FORTAN and for the BNF notation for describing the syntax of a programming language. |
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Edsger Dijkstra

| Occupation: Engineer, Computer Scientist |  |
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| Birth date: 11 May 1930 |
| Death date: 6 August 2002 |
| Place of birth: Rotterdam, Netherlands |
| Place of death: Nuenen, Netherlands |
| Alma mater: Leiden University, University fo Amsterdam |
| Awards: ACM PODC Influential Paper Award |

| Quotes: |
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| 1. “Simplicity is a great virtue but it requires hard work to achieve it and education to appreciate it. And to make matters worse: complexity sells better.” |
| 1. “The question of whether a computer can think is no more interesting than the question of whether a submarine can swim.” |
| 1. “Simplicity is prerequisite for reliability.” |

| Known for: |
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| His shortest path algorithm, a methods of finding the most direct route on a graph or map. He worked on Algol 60, a programming language that represented on of the first compiler programs that translates human instructions |

Tim Berners-Lee

| Occupation: Software Developer, Web developer |  |
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| Birth date: 8 June 1955 |
| Death date: N/A |
| Place of birth: London |
| Place of death: N/A |
| Alma mater: Queen’s College |
| Awards: Turing Award, President’s Medal, Queen Elizabeth Prize for Engineering, IEEE Computer Society Awards, Fir Frank Whittle Medal, IET Moutbattern Medal, Japan Prize, Royal Medal |

| Quotes: |
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| 1. “The Web as I envisaged it, we have not seen it yet. The future is still so much bigger than the past” |
| 1. “We need diversity of thought in the world to face the new challenges” |
| 1. “Data is a precious thing and will last longer than the systems themselves” |

| Known for: |
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| He invented the World Wide Web. |