SHELL

Shell sends commands to the operating system.
File System is a system which has all files in it. It has a
Tree structure in it.

Examples for different paths : loses / Alice

History

Arabic Numerals → A positional decimal numeral system

→ A system is based on ten different glyphs

Algorithms → Its an approch to perform calculations using the Hindu - Arabic numeral system

→ Doing systematic solutions to linear and quadratic equations

→ Finite sequence of well - defined instructions, typically to solve a specific problem

Da Vinci's Mechanical Calculator → Drawings were found in which he sketched a model for a mechanical calculator.

Wilhelm Schickard → Arguably made the first ever mechanical calculator

Pascal → Wrote a seminal essay on solid geometry and invented the "Pascaline"

→ Developed 50 different models of the Pascaline.

→ Discovered Fundamentals of Fluid dynamics

→ Invented hydraulic press

→ Made Pascal triangle

Kelvin → Absolute temperature before the correct absolute 0 temperature was found.

→ constructed an extremely advanced analog computer to predict the tides

Felt's Comptometer → invented the comptometer, essentially a mechanical table calculator

Felt's Comptograph → First ever printing adding machine

Charles Babbage → creator of difference engine to compute polynomial functions.

The Analytical Engine → Programs using punched cards which could be used as inputs.

Ada Lovelace → Described as the world's first programmer.

Boolean Algebra → Basic opperations are
- AND (Conjuction)
- OR (disjunction)
- NOT (negation)

Hollerith '11 → The tabulating machine company later become known the International Business machines corp.

Antikythera → Analog computer to predict astronomical positions and eclipses.

IBM Multiplsing Punch → 601 could multiply two 8-digit numbers.

Hamming Code → Punch cards were used to read programs, but computers frequently made errors in reading
→ Hamming code was developed which is a error detecting / correcting code.

Transistor → Replacement for vacum tubes and a transfer resistor or transistors were inverted.

Structured Programming → Every possible program can be expressed in sequence, loops and selection