

COST AND AGE:

The Calculator we know today were first invented in the 1960's. The use of smart phones as calculator began in 1990's.

Several computing machines were made long before the arrival of digital calculator's and smart phones. The abacus, for example, was used in the ancient near East, Europe, Russia, and China long before the adoption of the written Hindu-Arabic numeric system.

The Hewlett-Packard 9100A is an early programming calculator, first appearing in 1968. HP called it as a desktop calculator.

The hp-34 was the Hewlett-Packard's first pocket calculator and the world's first scientific pocket calculator. A calculator with Trigonometric & Exponential functions. It was introduced in 1972

The SR-50 was Texas instruments first scientific pocket calculator with Trigonometric & Logarithmic functions. It was introduced in 1974.

Casio is a major player in the graphing calculator market. It was introduced in 1985. Notable features are its ability to graph functions and that it is programmable.

Year	Model	Cost
1972	Texas TI 2500	\$149.95
1985	Casio fx-7000G	\$75
1988	Texas TI-68	\$55
1992	Texas TI-85	\$130
2020	Texas TI-30XS	\$18.13

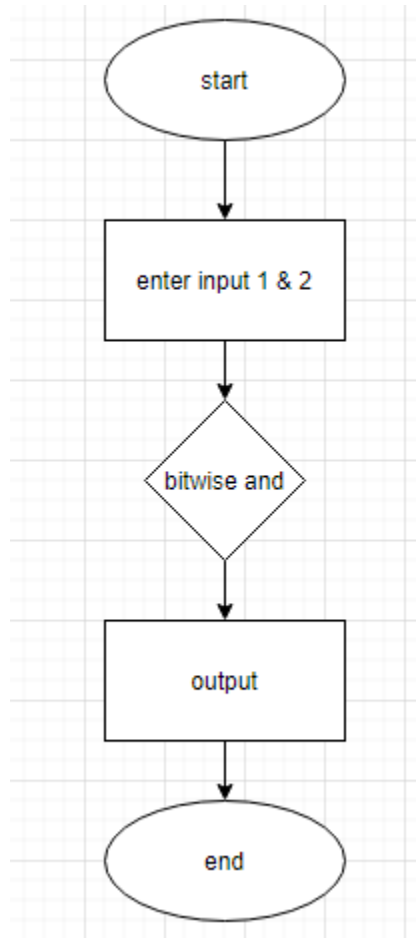
DEFINING PRODUCT:

The advanced scientific calculator performs various operations ranging from calculating the sum, difference, product, division, bitwise or, bitwise and & xor of two numbers to calculating the factorial, power, square root, sine, cosine, tan,

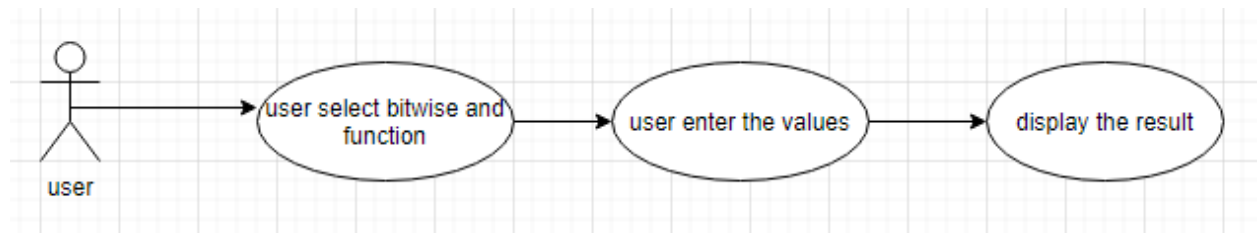
logarithmic values of a given number. It is equipped with a special feature to calculate the sum of all numbers till the given input number and also calculate the factorial of a given number.

LOW LEVEL DESIGNS:

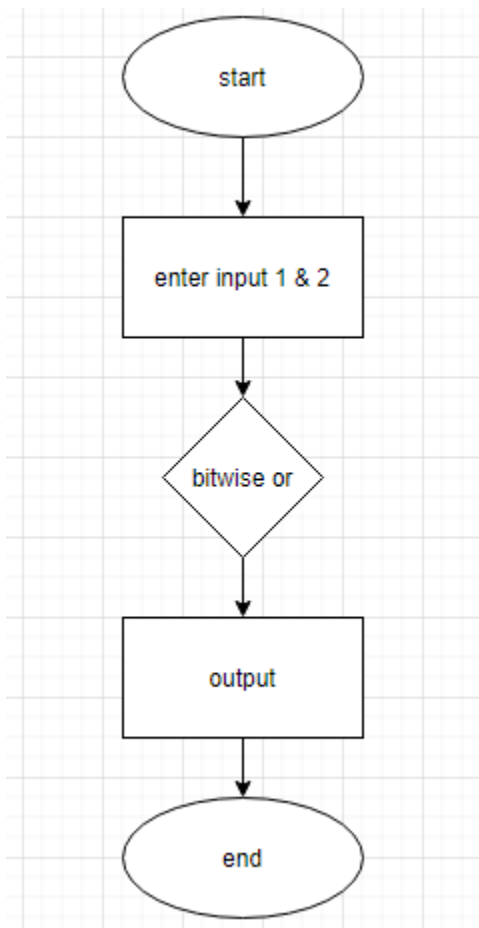
Flow chart for bitwise And:



UML Activity Diagram for bitwise and:



Flowchart for bitwise or:



UML Activity Diagram for bitwise or:

