Computation, Storing and Formatting Spreadsheets

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What is a Spreadsheet?

❖ A spreadsheet is a computer application for organization, analysis, and storage of data in tabular form.

❖ Spreadsheets were developed as computerized analogs of paper accounting worksheets.

❖ The program operates on data entered in cells of a table. Each cell may contain either numeric or text data, or the results of formulas that automatically calculate and display a value based on the contents of other cells.

❖ Modern spreadsheet software can have multiple interacting sheets and can display data either as text and numerals or in graphical form.

❖ Spreadsheets have replaced paper-based systems throughout the business world. Although they were first developed for accounting or bookkeeping tasks, they now are used extensively in any context where tabular lists are built, sorted and shared.

The History of Spreadsheet

LANPAR, available in 1969, was the first electronic spreadsheet on mainframe and time sharing computers. LANPAR was an acronym: LANguage for Programming Arrays at Random. VisiCalc (1979) was the first electronic spreadsheet on a microcomputer and it helped turn the Apple II computer into a popular and widely used system. Lotus 1-2-3 was the leading spreadsheet when DOS was the dominant operating system. Microsoft Excel now has the largest market share on the Windows and Macintosh platforms. A spreadsheet program is a standard feature of an office productivity suite; since the advent of web apps, office suites now also exist in web app form.

Function of Spreadsheet

❖ Besides performing basic arithmetic and mathematical functions, moder
spreadsheets provide built in functions for common financial accountancy an
statistical operations.

❖ Such calculations as net present value or standard deviation can be applied t
tabular data with a pre-programmed function in a formula.

❖ Spreadsheet programs also provide conditional expressions, functions t
convert between text and numbers, and functions that operate on strings o
text.

LIVE DEMO OF MS OFFICE EXCEL SPREADSHEET