MICROSOFT EXCEL 2007



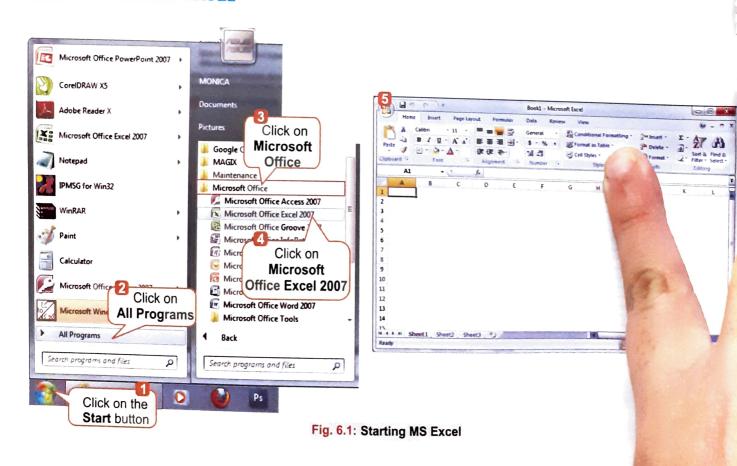
Microsoft Excel is the most popular spreadsheet software in the Microsoft 2007 Office suite. It is a powerful tool the helps to organize, calculate and analyze data in rows and columns. It also allows us to represent data pictorially in the form of chart.

FEATURES OF EXCEL

- Functions and formulas: Functions are the built-in formulas used for calculating percentage, interest, average etc., in MS Excel. Formulas are mainly used for performing simple and complex calculations.
- Formatting features: Improve the appearance of data.
- ◆ Auto-calculation: The data is automatically recalculated in the whole worksheet if any change is made in a single cell.
- Fast searching and instant replacing of data.
- Entering data in series using AutoFill option.
- Data can be viewed in a graphical form as charts, which help to understand, analyze, and compare data in an effective manner.

These advanced features have made MS Excel the first choice for professionals to quickly perform lengthy accounting and financial tasks, and take immediate decisions.

STARTING MS EXCEL



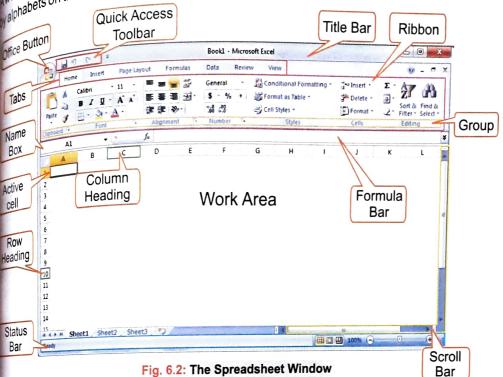
MS Excel file is referred to as a workbook, in which you work and store your data. MS Excel file is to solve and store your data.

The MS Excel file is to solve and store your data.

The MS Excel file is to solve and store your data.

The MS Excel file is to solve and work book is like a notebook. The Excel with the solve are like pages and work book. workbook collected and workbook is like a notebook. The Excel window that workbook is called a workbook. It is assigned a temporary name of the screen is called a made up of rows. weaks are line screen is called a workbook. It is assigned a temporary name **Book1**. A medical soft is a grid like area, made up of rows and columns, where you entered nate on the screen made up of rows and columns, where you enter and work sheet is a grid like area, made up of rows and columns, where you enter and work by sheet is a grid like area. Shoot? We are a worksheets at the house orksheet is a gillo man be seen and work book displays 3 worksheets at the bottom, with the hold and sheet 1, sheet 2 and sheet 3. We can add any number of worksheets at the bottom, with the sheet1, Sheet2 and Sheet3. We can add any number of worksheets in a sheet3 according to the limits of memory available on a computer Sheet I, and any number of sheet I, and any numb

worksheet consists of 1048576 rows and 16384 columns. Columns are represented worksheet consists on the top and rows have numbers on the left side of the ward. worksheet control and rows have numbers on the left side of the worksheet.



Let's Know More

To create a shortcut of MS Excel, select the MS Excel option from the Start menu and drag it to the desktop.

Let Us Recall

Where is the Formula bar located?



III COMPONENTS OF WORKSHEET

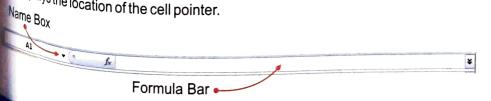
cell is an intersection of a column and a row in a worksheet. Each cell is denoted with a address. For example, A5 refers to the cell at the intersection of column A and row 5. Data stored in a cell. A cell can contain up to 32,767 characters.

CTIVE CELL

hen you click on a cell, a thick black border differentiates it from the rest of the cells. It dicates the current cell is active. This highlighted box is called **Cell pointer**. Data can entered only in a cell where the pointer is placed.

AME BOX

ame box is located above the Column heading on the left side of the window. This ^{ea displays the location of the cell pointer.}



Know the Fact

The tab scrolling buttons to the left of Sheet tabs, let you move through the tabs quickly.

Know the Fact

Merge & Center button on the Home tab, lets you place the contents in the centre of cells across a number of columns/rows.

FORMULA BAR
The Formula Bar is located to the right of the Name box. This bar shows the characters and formulas that you enter COLUMN HEADINGS

Alphabets across the top border of each worksheet are called column headings. These headings identify columns. in an active cell

with letters A to Z, AA through AZ and upto XFD for a total of 16,384 columns.

Row headings are the numbers marked as 1 through 1,048,576 along the left border of the worksheet. STATUS BAR

The Status bar is located at the bottom of the Excel window. It gives us information about the current selection. It also displays warning messages.

The Status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. It gives the status bar is located at the bottom of the Excel window. Ready



MOVING AROUND THE SPREADSHEET

To input data in a worksheet, we have to move the cell pointer from one cell to another with the help of various key defined in the given table.

Command	nmand Function				
→	Moves one column right.				
+	Moves one column left.				
1	Moves one row up.				
1	Moves one row down.				
Page Up	Moves the active cell highlight to first row of the spreadsheet.				
Page Down	Moves the active cell highlight to the next sheet.				
Ctrl+Home	Moves to the first cell of the topmost row.				
Ctrl+End	Moves to the last used cell of spreadsheet.				

III ENTERING DATA

Create the worksheet as shown in the figure 6.3.

- Open a new workbook. By default, Sheet1 is the active worksheet.
- Click on cell D1 and type 'Weekly Expense'. Click on Merge & Center button in the Alignment group on Home tab.
- Click on cell A2 and type Items. Press the Right arrow key. Type Monday in B2 and Tuesday in C2. Likewise, enter data in rest of the cells.
- Click on cell A3. Type Eatables and press the Enter key. The cell pointer shifts to cell A4.

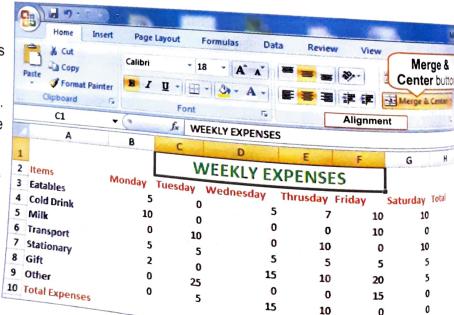


Fig. 6.3: Entering Data in a Spreadsheet

'Cold Drink' and press Down arrow key to move to cell A5 and type 'Milk'.

Type onter the remaining data. Type similarly, enter the remaining data.

IN TYPES OF DATA

hree types of data can be entered in MS Excel worksheet. They are:

Numbers

Text

Formulae

umbers are values that consist of numerals like 0 to 9 and the characters like +,-,!, @, with the control of t %, ^, α, στο be used in α dition to actual numbers, Excel also stores date and time as numbers.

_{ydefault, numbers are right aligned in **a cell**.}

ext data can contain letters, numbers, spaces and special characters such as ! and &. ext data is not used in calculations.

ydefault, text data is left aligned in a cell.

lost often text entries are used for worksheet headings, names and for identifying olumns of data.

ORMULAE

formula is a mathematical equation involving number values, operators and cell ddresses used for performing, calculations on worksheet. Formulae can range from asic mathematical operations to complex calculations. Formulae begin with an equal (=) sign.

PERFORMING CALCULATIONS

rcel has a powerful feature to perform calculations on the data. We can perform

ddition, subtraction, ultiplication, and division of umbers either using formulas rusing functions.

ormulae are equations that erform calculations on values our worksheet. The result of e calculation is displayed in e cell where the formula is ntered. A formula consists of combination of cell references, unbers, operators and Excel

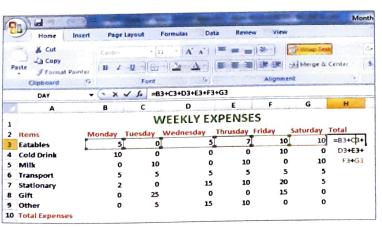


Fig. 6.4: Applying Formula

Quick View

F12 key in MS Excel 2007 displays the 'Save As' dialog box.

Quick View

To open a workbook, click on Open option on the Office Button menu or press Ctrl+O key combination.



Quick View

You can save your file using Ctrl+S key combination.

Click on the Office **Button** and select Save option.

Select Save option on the Quick Access Toolbar.



Quick View

To go to a specific cell, use Ctrl+G or press F5 function key. Type the cell reference in the Reference field of Go To dialog box.



To calculate the total expense in H3, type = B3 + C3 + D3 + E3 + F3 + G3 and press the Enter key The cells B3 to G3 is calculated and displayed in the cell H3. sum of the values in the cells B3 to G3 is calculated and displayed in the cell H3.

- We can use upper or lower case letters while entering the cell address in a formula.
- We can use upper or lower case letters

 Excel also provides a quicker and easier way of performing calculations. Click on the AutoSum button of can select the can be selected to can s Excel also provides a quicker and easier way or performing present on the **Formulas** tab. Excel suggests a range which we can either accept or can select a difference of the second select and select a difference of the second select and selec
- Move the cell pointer in cell H4. Click on the **AutoSum** button. Excel suggests the range B4: G4. Press in cells B4 to G4 is calculated and displayed in cell H4.

Excel also has special built-in mathematical functions. Instead of typing such a long formula, the SUM functions.

E.g., =SUM (B4: G4) and press the Enter key.

- If a number of cells need the same formula, it can be copied and pasted on the same worksheet.
- Similarly, we can use the AVERAGE function.

WORKING WITH WORKSHEET

SWITCHING BETWEEN WORKSHEETS

When we add a number of worksheets, only a few worksheets can be seen on the screen. To switch between worksheets, click the arrow buttons on the worksheet tab.



RENAMING A WORKSHEET

- To rename a worksheet, double-click on the Worksheet tab which you want to rename. It will be highlighted
- Type a new name and press Enter key.

ADDING A NEW WORKSHEET

- To add a new worksheet, select the sheet before which you want to place a new worksheet.
- Select Insert > Worksheet. Or
- Right-click on the **Sheet** tab and select **Insert** option.

REMOVING A WORKSHEET

- Place the mouse pointer on the worksheet which you want to delete.
- Right-click on the worksheet and select **Delete** option. Or
- Select **Delete** option in the **Cells** group on the **Home** tab and further select **Delete sheet** option from the menu list menu list.



Fill in the blanks:

- Microsoft Excel is the most popular spreadsheet software in the Microsoft 2007 office suite.
- Worksheets are like pages and workbook is like a notebook.
- By default, an Excel workbook displays three worksheets at the bottom, with the names Sheet1, Sheet2 and Sheet3.
- In MS Excel worksheet, three types of data can be entered i.e., Numbers, Text and Formulae.
- A formula is a mathematical equation involving number values, operators used for performing calculation on a worksheet.
- Arrow buttons on the worksheet tab are used to switch between worksheets.

I militare blanker						
By default, a workbo	ok contains	worl	sheets.			
columns/rows.	bı	utton places the co	ntents in the centre o	of the cells across a number of		
A	bar shows the c	haracters and form	ulas entered in an ac	tive cell.		
Aworksheet become	es active by clicking	on the	tab.			
Name box is present	above the	headi	ng.			
The	scrolling button	s to the left of sheet	tabs let you move thi	rough the worksheets quickly.		
Pressing the	key oper	s the Save As dialo	g box.			
Column F12	⊸ Tab ⊸ Formula	Three	Sheet	Merge & Center		
State True or False	e:					
Microsoft Excel is the most suited program for documentation.						
Aworkbook can conta	ain any number of w	orksheets according	ng to a user's need.			
Letters A to Z, AA to AZ are the Row headings.						
Status bar displays th	e currently selected	d commands.				
Data cannot be entere	ed in an active cell.					
Arrow buttons preser	nt on the worksheet	tab allow the user to	switch between wo	rksheets.		