Welcome to MrExcel.com, a website that offers support and a wide variety of services to users of Microsoft Excel software, including the following.

- **MrExcel.com Message Board**: The fastest way to get an answer to your Excel problem is to post it to the new [Mr. Excel Message Board](http://www.mrexcel.com/). The Message Board is the most popular section of Mr. Excel.

- **New**: The book that will teach you how to use Excel and VBA Macros to automate many tasks. Learn the techniques that allows us to replace 40 hours of manual report creation with a button click. This book reveals why the Microsoft Excel Macro Recorder does not work. It explains how to understand recorded code and then teaches all the VBA techniques you will need, from looping and userforms to Charting and Pivot Tables. Learn how to use event programming, classes or API calls to make amazing spreadsheets. Import data directly from the web on a regular basis. Automate Word from Excel. Deal with text files over 65,536 rows. Solve the multi-user dilemma. Produce applications that will allow the admin to run your reports while you are on vacation. See favorite code samples from many MrExcel MVP’s in the Excel Power chapter. order [VBA and Macros for Microsoft Excel](http://www.mrexcel.com/) from MrExcel.com today.
Congratulations to the winners in our Ideazon contest: Jason O'Neal, Randy Maskell from Arizona, Jeffrey Burke from Massachusetts, Maurice Story, Bud Comes, Age Grigson, Michelle Delzer and Kerry Labay all won an Excel Keyboard from Ideazon.

Excel 2003 users who use =RAND(): Read the bug notice posted on 12/11/03.

We need your help! I am writing an article and need 1000 Excel users (of all skill levels) to take this 30 second poll.

MrExcel.com Consulting: For problems that are more complex, or if you need a complete application, hire Mr. Excel Consulting to do Excel or Office consulting by e-mail. MrExcel and a team of consultants work full time developing applications that work with Excel, Access and all of the Office Applications. We develop applications of various sizes for clients around the world, from Western Australia to Argentina to Palo Alto, California to London, England. We offer expertise in VBA (Visual Basic for Applications), Lotus to Excel macro conversion, emergency data analysis in Excel, Access, PowerPoint, Outlook, and custom map design in MapPoint or MapInfo, and more.

Books: In cooperation with Holy Macro! Books, there are now fifteen titles available:

- Mr Excel ON EXCEL - 512 pages of tips and tricks that even the tricksters miss.
- Guerilla Data Analysis Using Microsoft Excel - for anyone who regularly processes large amounts of data in Excel.
- Holy Macro! It’s 1,900 Excel VBA Examples CD-ROM - whether you’ve just recorded your first macro or you write Excel VBA for a living, you need this CD!
- Excel Knowledge Base CD-ROM - an archive of the first 2.5 years of MrExcel Q&A
- Slide Your Way Through Excel VBA CD-ROM - a self-paced, 5-day course on Excel VBA
- Excel for Scientists CD-ROM - a self-paced, 3-day course for Scientists and Engineers.
- Join the Excellers League CD-ROM - a self-paced, 5-day course on Excel.
- Dreamboat ON WORD - Anne Troy's guide to Microsoft Word
- Grover Park George ON ACCESS - George Hepworth's guide to developing Access databases.
- Kathy Jacobs ON POWERPOINT - Kathy Jacob's guide to PowerPoint.
- Link'em Up ON OUTLOOK - Stephen J. Link's guide to Outlook.
- Master the Web CD-ROM - a self-paced 3-day course on web design.
- Access VBA Made Accessible CD-ROM - a self-paced 10-day course on Access VBA.
- Unleash the Power of OneNote - covering Microsoft OneNote - the best new product from Microsoft in years.

You can now find these books at your local Barnes & Noble, Borders, MicroCenter, Indigo and many independent bookstores.

- Check out our photo album of various people we've met from the MrExcel community.
- Bill Jelen is proud to have been named 2003 Computer America Guest of the Year.
- **Training:** MrExcel Consulting now offers 2-day Advanced Excel Training at your site for all of the continental United States. Our training and auditing of YOUR spreadsheets is unlike any training that you will find anywhere at any price. Or, if you want to escape your work location, come to our one-day Power Excel Seminars.
- If you need a birthday present for your favorite Excel guru, why not buy them one of our hilarious Excel Function Wall Clocks! Each numeral has been replaced by an Excel function that evaluates to that numeral. Perfect for CPA's, auditors, analysts.

- Visit ExcelGuru.net for a full line of mugs and shirts with sayings that all true Excel fans will understand.

- You can also buy the MrExcel logo on our new shirts, mugs, clocks at CafePress.com
- I am honored to have received the Excel black belt from Colo and the Road to the Cell Masters.
● **Want to lose weight?** Try the new *Weight Loss Boss* from Ron Martin, author of *Success Made Easy*.

● **MrExcel.com Engineering and Graphics Division** and **MrExcel.com Spanish Division**: *Mala* manages our *MrExcel.com Engineering & Graphics Division*, which specializes in developing solutions to engineering problems and creates some of the most incredible graphics automation macros. Whether you are looking for engineering graphs or new chart types, check out Mala's work at the *MrExcel.com Graphics & Engineering Division*. The Engineering division can automate your Excel to AutoCad needs or custom design a new chart type for you. In addition, *Juan Pablo* manages the *MrExcel.com Spanish Division*.

● **Tips of the Week**: Read our archive of articles featuring some aspect of Excel. There are now 485 articles indexed here.

● **Archives**: The archive from the original message board has 12000 Excel answers. We are updating the New Board Archive with 70000 answers.

● **Daily Tips Weblog**: Visit my *Daily Tips Weblog* for a daily dose of Excel solutions. Each morning, I will select some questions from the mailbag and post an answer. Juan Pablo is also posting daily tips in Spanish.

● **E-Mail Support**: E-mail your problem to MrExcel. The best problems will be published on this site, in either the Daily Tips Weblog or as a Tip of the Week with our solutions. Due to the volume of mail received, Mr. Excel can not respond personally to all requests. Why am I giving away Excel answers? Your questions are helping me write a book of Excel tips. I'm betting the problem that is plaguing you is plaguing others out there. Note: MrExcel.com uses Excel 97, 2000, 2002, & 2003 in Windows XP & ME. For questions which are specific to a Mac or to Excel 4.0, MrExcel.com will not be able to help. Try the message board.

● **Challenge of the Month**: It's back! The hugely popular feature is a doozy. Take a stab at solving this problem and win fame and fabulous MrExcel.com merchandise.

● **Know any Car Dealers?** MrExcel has jointly developed an Excel-based tool used by the Finance Manager at new car dealerships. The tool streamlines the F&I process, improves customer satisfaction, and increases PVR by an average of $225! Recommend this tool to your car dealer friends and they will thank you at the end of the year. When they download the free 30 day trial, tell them to mention that "MrExcel sent Me". When they buy the package, I will promptly mail two T-shirts to the dealer: one for the dealership and one for you as a thanks for the referral. Have them point their browser to: FIMenuWizard.com.

● **Can You Total That Diagonally For Me?** Seasoned Excel veterans will appreciate this feature, which looks at the bizarre and seemingly impossible requests handed down from real managers. To qualify for inclusion here, the problem must cause MrExcel.com's brain to nearly explode.

● **MrExcel's Books** All of MrExcel's great books are available at the MrExcel.com Store to buy these hot titles.

● **MrExcel's Recommended Books Bookstore** There are many other great Excel books out there. Let MrExcel.com recommend a perfect book for users at various levels. Visit the MrExcel.com Bookstore to read my review and then purchase the cream of the crop of Excel books over the Internet.

● **Article Archive**: There are a number of articles published here where MrExcel.com explains, in plain English, powerful ways to make Excel sing. Peruse the article archive.

● **Thanks for your generosity!** During the 2002 holiday season, MrExcel readers helped raise $210 for FISH. The donors are listed in our virtual store window. During 2004, we raised
$2501 for the American Cancer Society's Relay for Life. See a recap [here](#).

- **Training.** If you are in northeast Ohio, be sure to catch one of my entertaining Excel training classes or call to have me appear at a lunchbox seminar at your company. If you are out of the area, then hire our Trainer Rich to do [Onsite Excel Training](#). If you need something self-paced, then I recommend this excellent training from the Visual Learning Series. These are self-paced CD's by Dr. Gerard Verschuuren. It is completely visualized and is based on self-instruction with constantly recurring self-checks. The examples used are rooted in a wealth of real-life cases and have been extensively tested. The material has been extensively tested during live training sessions and has been widely praised as a very fine piece of curriculum development.

  - **Slide Your Way Through Excel VBA CD-ROM** - a self-paced, 5-day course on Excel VBA.
    - **Module 1 - Basics of Excel VBA** for $65.
      This includes Objects: Their properties and methods; Recording Macros + Editing their code; Controlling code with If and Select; Methods vs. Functions; Use Message Boxes and Input boxes; Using Variables for values and objects; Controlling Charts and Pivot Tables. Contains 233 pages.
    - **Module 2 - How to Calculate with VBA** for $65.
      This includes Loops: Do / For / For Each; Manipulating cells and ranges; Using Functions in VBA Code; Using relative and absolute formulas; Using temporary arrays; Using array functions; Creating your own functions. Contains 273 pages.
    - **Module 3 - Let VBA Interact with the User** for $65.
      This includes Buttons; List Boxes; Combo Boxes; Creating User-Forms for User Interaction; Data Validation: Checking the user's data entry; Creating Custom Methods; More on Events: Having things done at the right moment; Error Handling: Making your application more professional. Contains 269 slides.
    - **Save! All 3 VBA Modules** for $99.
      Buy the complete "Slide Your Way Through Excel VBA" CD - all 775 pages for one low price. This is equivalent to a 5 day training course with Dr. Gerry Verschuuren, a university professor who has taught Excel to thousands of professionals in the northeast.

  - **Join the Excellers League CD-ROM** - a self-paced, 5-day course on Excel.
  - **Excel for Scientists CD-ROM** - a self-paced, 3-day course for Scientists and Engineers.
  - **Your Access to the World CD-ROM** - a self-paced, 7-day course on Microsoft Access.
  - **Access VBA Made Accessible CD-ROM** - a self-paced 10-day course on Access VBA.
  - **Master the Web CD-ROM** - a self-paced 3-day course on web design.

- **Search:** Use the Search page to see if your question has already been addressed.

**Recommended Software**

- If you have to deal with massive amounts of data, you have to try out the **AMAZING** new [DIG-DB Toolkit Add-in](#). You will wonder how you ever lived without it. Unlike the general-purpose utility add-ins, this **POWERFUL** add-in truly extends the power of Excel. Here are some of the features:
  - Do Access in Excel
  - De-dupe
  - Enhance & Simplify PivotTable
  - Complex Filter
  - Merge (Join)
  - Sort, Random, & More

  **Buy now for $49 and download immediately!**. You will be **AMAZED**.

- An awesome general purpose utility for Excel is the [Spreadsheet Assistant](#) from Macro
Systems. This utility allows you to use many more Excel features with ease. It will simplify over 200 common tasks. It is well worth the $39 price for any one of these features:

- Perform any math action on a range of cells
- Easily set print area and title rows
- Find the Next different Entry Down
- Find and select duplicates
- Capitalize the first letter of all words
- Quick number selected cells
- Store Current cell location for easy return
- Workbook statistics
- And over 200 other features!

**ExcelWordRecovery.com:** The number one complaint is from people suffering from a corrupt Excel file that will not open. Recover hours or days of lost work with the do-it-yourself Excel Recovery software or Excel Fix Software. Or, if you want to hire someone to solve your corrupt file problem, Florent Chassignol has launched a service called ExcelWordRecovery.com. The Excel recovery software is pretty easy to use, but if you would rather hire someone, give Florent a try. Send your file to Florent, and they will recover the entire file. The ExcelWordRecovery service can also recover files from damaged floppy disks. **As a special offer,** list the Discount Code of "MrExcel.com" at ExcelWordRecovery and receive 5% off the price of their excellent service. When your job is on the line, point your browser to ExcelWordRecovery.com or Excel Recovery for proven results.

- Track weight loss with the Weight Loss Boss from MrExcel and Ron Martin
- John Drummond offers a fantastic set of Business Functions designed to make business plans, budgets, structured financings and cashflows less error prone, faster to build, easier to understand, more robust and easier to maintain.
  - Data/document sources include: Excel, XML, Email, Text (fixed-width, delimited)
  - Scheduled, automatic Updating of Your Excel data and files, electronic transfer/distribution/exchange of Your Excel files securely to/from multi-locations, both within & beyond your company's boundaries.
  - Generate Up-to-Date, up-to-the-minute reports for managers
  - Use Internet, intranet, extranet or any network to transfer/distribute and exchange Excel files with other employees, managers, company departments, branch offices, outlets, divisions, operating units, customers, suppliers, business partners, etc.
  - Use standard transport protocols: HTTP, HTTPS, FTP, SMTP/POP3, Local Area Network
  - Generate Excel files from database: database(s) – Excel – database(s).
  - Generate Excel documents from XML, email, text (delimited, fixed-width) via any database (e.g. MS Access, MS SQL server, Oracle, ... etc.).
  - Pull data, extract data, retrieve data, aggregate data from (m)any database(s) and application(s), convert it to Excel documents and send/pump it automatically to one or many destinations.
  - A lot more!

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- Want to duplicate your Excel calculators on a web page? Convert Excel to JavaScript using Excel Everywhere
- **LostPassword.com:** Lost Passwords? The software at LostPassword.com can help. If you have just one file to decrypt, try the new service from decryptum.com. They offer instant online recovery service for password protected MS Word and Excel files, with free online preview of encrypted file content! If you want to hire someone to use the password recovery software, try PWFinder.com
- Check out this cool Formula Manager Add-in for $29.95
- If you are interesting in stock market investing, you NEED these AnalyzerXL tools.
- If you are a techie who has to have the coolest toys, you should check out the Neural Network Tool for Excel. This add-in will help you forecast business, financial or sports outcomes.
Tip of the Week

Use Conditional Sum Wizard To Enter CSE Formulas

It is great to have the Call for Help TV show return to the air on TechTV Canada. These are my show notes from my appearance on January 6th.

One of the common questions at the MrExcel board is how to use the SumIf function with two different conditions. Unfortunately, the answer is that SumIf can not handle two different conditions. In order to do two conditions, you have to use a rather complicated array formula. The conditional sum wizard add-in allows you to enter these complicated formulas with ease.

Here is an Excel worksheet with columns for product, sales rep and sales. The data is in cells A2:C29.
If you want to total the sales, a simple SUM() function will work. =SUM(C2:C29).

Many Excellers discover the SumIf function. Using this function, it is fairly easy to figure out the total of sales for product ABC. =SUMIF(A2:A29, E2, C2:C29)

It is also easy to figure out the total of sales made by sales rep Joe with =SUMIF(B2:B29, E2, C2:C29).

You would then assume that it is possible to figure out the total sales of product ABC made by Joe. However, there is no way to do this with the SumIf function. It turns out that you need to use a fairly complex array or CSE formula.

Let's face it - the Sum formula is Excel 101. The SumIf formula is not far behind in complexity. However, the CSE formula to calculate the total of ABC sales made by Joe is enough to make even
my head spin.

The good news - Microsoft offers the Conditional Sum Wizard which allows even a novice to enter complex conditional formulas based on 1, 2 or more conditions. The Conditional Sum Wizard is an add-in. To add this functionality to Excel, go to the Tools menu and select Add-Ins. In the Add-Ins dialog box, choose the checkbox next to Conditional Sum Wizard and choose OK. It is possible that you might need your installation CD at this point, because Microsoft does not include the wizard in the default install.

Once the add-in is successfully turned on, there will be a Conditional Sum... choice near the bottom of the Tools menu.

Select a single cell in your dataset and choose Tools - Conditional Sum. Assuming that your data is nicely formatted with a single row of headings, Excel will properly guess at the range of your data. Choose Next.

In step 2, select the column to sum. In this case, the wizard already guessed you want to sum the first (and only) numeric column - Sales. In the middle of the dialog box are three dropdown controls.
These happen to be correct for the first condition - Product equals ABC, so choose the Add Condition button.

Then you can add your second condition. In this case, you want to specify that the Sales Rep is Joe. Choose the arrow for the first dropdown. Excel offers an alphabetical list of the column names available. Choose Sales Rep.

The center dropdown is correct, but for completeness here, you can see that you could have chosen equal, less than, greater than, less than or equal, greater than or equal, or not equal.

From the third dropdown, select Joe.

Choose the Add Condition button.

You are now ready to go to Step 3. Press the Next button.
In step 3, you have two choices. In the first choice, the Wizard will enter a single formula with the values "ABC" and "Joe" hardcoded into the formula. It will give you the answer, but there will be no opportunity to easily change the formula. With the second choice, Excel will set up a new cell with the value "ABC" and a new cell with the value "Joe". A third cell will contain the formula that does a conditional sum based on those two values. With this option, you could type new values into the cells in order to see the total XYZ's sold by Adam.

The wizard will then ask where you want the value for ABC. Select a cell and choose Next. Repeat as the Wizard asks you to select a cell for Joe and the formula.
When you choose Finish in the last step, Excel will create a slightly different (but valid) version of the CSE formula.

<table>
<thead>
<tr>
<th></th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Joe</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>ABC</td>
<td>=SUM(IF($A$2:$A$29=E6,IF($B$2:$B$29=F5,$C$2:$C$29,0),0))</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This formula calculates that Joe sold $33,338 of ABC.

If you change the product input cell from ABC to DEF, the formula will re-calculate to show that Joe sold $24,478 of DEF.

<table>
<thead>
<tr>
<th></th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td></td>
<td>Joe</td>
</tr>
<tr>
<td>6</td>
<td>DEF</td>
<td>24478</td>
</tr>
</tbody>
</table>

The Conditional Sum Wizard puts complex formulas well within reach of all Excel owners.

Additional Information: If you want to build a table that will show sales of each product by each sales rep, there is some special "care and feeding" that you will need to know about these formulas. Type each sales rep across the top of the range. Type each product down the left column of the range. Edit the formula provided by the wizard. In the image below, the formula is pointing a the product in cell E6. This reference really needs to be $E6. If you leave the reference as E6 and copy the formula to column G, the formula would look at F6 instead of E6 and this would be wrong. Adding a dollar sign before the E in E6 will make sure that the formula always looks at the product in column E. The formula is also pointing to a sales rep in cell F5. This reference really needs to be F$5. If you left the reference as F5 and copy down to row 7, the F5 reference will change to F6 and this is not right. Adding a dollar sign before the row number will lock the row number and the reference will always point to row 5.

<table>
<thead>
<tr>
<th></th>
<th>E</th>
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<th>H</th>
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<td>5</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>DEF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
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</tbody>
</table>

In Edit mode (select the cell and press F2 to edit), type a $ before the E. Type a dollar sign before the 5 in F5. Do not hit Enter yet!
This formula is a special type of formula. If you press Enter, you will get a 0, which is not correct.

Instead of typing enter, hold down the Ctrl and Shift keys while you press Enter. This magic combination of Ctrl+Shift+Enter is why I call these CSE formulas.

There is one last consideration before copying the formula to the rest of the table. Your inclination might be to copy F6 and paste to F6:G8. If you try this, Excel will give you the puzzling "You Can Not Change Part of an Array" message. Excel is complaining that you can not paste a CSE formula into a range that contains the original CSE formula.

It is easy to work around this. Copy F6. Paste to F7:F8.

Copy F6:F8. Paste to G6:G8. You will have a table of CSE formulas showing totals based on two conditions.

For the BEST TV show on technology, check out Call for Help.

This tip was originally published on December 9, 2004 and aired on TechTV on January 6, 2005. The permanent URL for this page is http://www.mrexcel.com/tip083.shtml.
MrExcel.com Consulting can be hired to implement this concept with your data.


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