

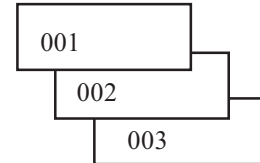
### CCOUNTER Function

The CCounter function is a sequential number generator. It can be used with or without a database.

The example on the right generates numbers starting with 1 and ending with 100. As you browse through the records, the series is as follows: 001, 002, 003, ..., 099, 100, 001, 002, 003, ...

Sample formula: CCOUNTER(1,100,1,3,"0")

RESULT:



### Expression formula: CCOUNTER (start\_val, end\_val, step, positions, fill\_char)

CCOUNTER(1, 100, 1, 3, "X")

There are 5 parts:	Part 1 : <b>start_val</b>	start number:	1
	Part 2 : <b>end_val</b>	end number:	100
	Part 3 : <b>step</b>	step increment:	1
	Part 4 : <b>positions</b>	leading character positions:	3
	Part 5 : <b>fill_char</b>	fill character (alpha/numeric):	0 (zero)

### How to Setup:

1) Create a variable "marker" by drawing a text box and typing @Counter@ (any alpha/numeric text in between the @ symbols is OK to use)

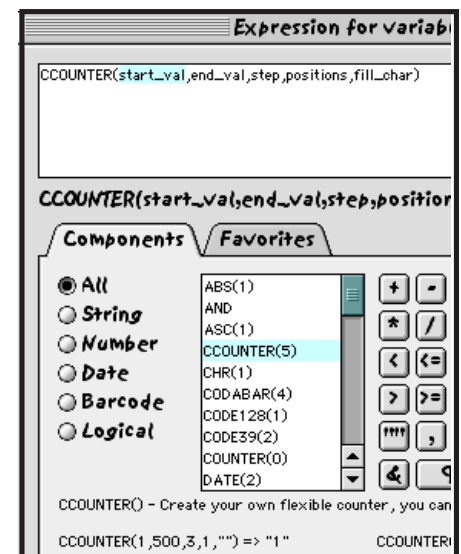
2) Unselect the Text box.  
Go to **Windows>Show Variables** & click 2X on "Counter."  
*This will take you to the Expression builder window.*

3) Click on the Components tab & click 2X on CCOUNTER.

4) Type in your formula and click **Verify**.  
*This verifies the formula's syntax is correct.*

**Expression OK** means you are ready to leave the Expression builder window.

5) Click **OK**.  
*To browse through the records, use the arrows on the Variable window.*



### No database used?

When using the CCOUNTER function *without a database* make sure **Items Without database** is set to the total records for print. Example: Creating 1,000 raffle tickets with individual numbers, the **Items Without Database** would be set to "1,000".

Go to **Edit>Preferences>Numerator>Number of Items without database**

*The following page shows sample formulas using the CCounter function.*



# PrintShop Mail

## Mac-Functions: CCOUNTER



### Basic Formulas

FORMULA	RESULT	COMMENT
1) <b>CCOUNTER (100,1000, 5, 4, ""')</b>	100, 105, 110, ..., 995, 1000	Notice no leading character
2) <b>CCOUNTER (100, 1000, 1/3, 4, ""')</b>	100, 100, 100, 101, 101, 101, ...	Used to add invoice numbers to pre-collated NCR sets
3) <b>"AB"&amp; CCOUNTER (10, 100, 2, 3, "0")</b>	AB010, AB012, AB014, ...	Static text with CCOUNTER

### Advanced Formulas

FORMULA4: **CHR (VAL (CCOUNTER (65, 90, 1, 2, ""')))**  
 RESULT: A, B, C, ... Y, Z, A, B, ...  
 COMMENT: Alphabet counter

FORMULA5: **CCOUNTER (1, 3, 1, 1, ""') & CCOUNTER (5, 8, 2, 1/3, "A") & "AB"**  
 RESULT: 1A5B, 2A5B, 3A5B, 1A6B, 2A6B, 3A6B, ...  
 COMMENT: (2) CCOUNTERs creating 2 separate ascending numbers with static text.

FORMULA6: **CCOUNTER (1,100,1/2,5, ""') & "." & CCOUNTER (0, 5, 5, 1, ""')**  
 RESULT: 1.0, 1.5, 2.0, 2.5, ...  
 COMMENT: (2) CCOUNTERs creating .5 ascending effect.

FORMULA7: **IF (CCOUNTER (1, 2, 1, 1, ""') ="1", "A", "B") & CCOUNTER (1, 100, 1, 3, "X")**  
 RESULT: AXX1, BXX2, AXX3, BXX4, ...  
 COMMENT: Using an IF function with a CCOUNTER to generate a "A" or "B" text character based on the number of "1" or "2" and using "X" as the "fill" character.

FORMULA8: **IF (VAL (CCOUNTER (1, 100, 1/20, 3, ""')) =1, "\$29.95",  
 IF (VAL (CCOUNTER (1, 100, 1/20, 3, ""')) =2, "\$39.95",  
 IF (VAL (CCOUNTER (1, 100, 1/20, 3, ""')) =3, "\$49.95",  
 IF (VAL (CCOUNTER (1, 100, 1/20, 3, ""')) =4, "\$59.95", ""'))))**  
 RESULT: A counter based on every 20 records: "\$29.95" for records 1 to 20, \$39.95 for records 21 to 40, \$49.95 for records 41 to 60 and \$59.95 for records 61 to 80. *Used to create retail price tags.*

#### CCOUNTER Uses

- Any sequential numbering application.
- Can be used with PSM's duplexing, Layout Repetition (multi-up), Front To Back, Back to Front, Vertical & Horizontal print order and Splitjob functions.
- Start and end number's output sequence will depend on PSM's Front To Back/Back To Front settings. Check **Edit>Preferences>Print Order>Priorities**.

#### CCOUNTER Limitations

- Can not generate random numbering.