

---A SUBTOTAL and GRAND TOTAL macro for a database table (SEE the file SAMPLE1.WK).

*---Use the /Range Name Label Right {End} {Down} <ENTER> to define the range names in this column (starts with the \Z macro name)

*---Sort the database with respect to the items column to subtotal

*---There should be at least two empty rows above the database to accommodate for the criterion area.

*---Place the cell pointer at the upper left cell of the database

*---Hold the <ALT> key and press <Z> to activate the macro

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\Z                {BREAKON}
SUBTOTL3          {let rel164,@INFO("release")}~{recalc loop3164} {recalc again164}
!                {PANELOFF}/DQRQ{ESC} {PANELON} Highlight the table to sub-total (including fields
!                {WINDOWSOFF}/RNCTable to total?~/RNDTable to total?~/RNC {PANELON} {WIND
!                {WINDOWSON} Point where to put the output table and press [RETURN] {get key1164} {
!                {WINDOWSOFF} {PANELOFF}/RNCoutputa164~/RNDoutputa164~/RNCoutputa164~/
!                /C.{END} {RIGHT}~outputa164~{GOTO}outputa164~/C.{END} {RIGHT}~{UP 2}~/DQ
!
crit164           /DQC.{END} {RIGHT} {DOWN}~Q{down}/mccriterion164~/mndcriterion164~/mccriteri
!
subtot3164        {WINDOWSON} {PANELON} Point to the ITEMS column and press [RETURN] or press
!                {get key1164} {ESC 6} {if key1164="{ESC}"} {branch end164}
!                {if key1164<>"~"} {key1164} {branch subtot3164}
!                {WINDOWSOFF} {PANELOFF} {let offset1164,@cellpointer("col")-@cell("col",Table to
!
subtot1164        {LET total164,0}~{goto}Table to total?~{RIGHT 0}{down}
again164          {let here1164,@cellpointer("&quot;coord&quot;)}{WINDOWSOFF}{PANELOFF}{reci
again1164         /c~criterion164~{LET item164,CRITERION164}~{IF offset1164&gt;0}{goto}criterion
subtot2164        {WINDOWSON} {PANELON} Point to the amount column and press [RETURN] or press
!                {get key1164} {ESC 6} {if key1164="{ESC}"} {branch end164}
!                {if key1164<>"~"} {key1164} {branch subtot2164}
!                {WINDOWSON} {PANELON} {WINDOWSOFF} {PANELOFF} {let offset2164,@cellpoi
!
queri164          /DQF~EQ{GOTO}outputa164~{RIGHT 4}{END}{DOWN}{DOWN 2}
!                @SUM({UP 2}..{END} {UP} {DOWN})~
!                {let total164,total164+@cellpointer("contents")}~{recalc movea164}
movea164          {LEFT 4}
!                Subtotal of {item164} =~
!                {branch loop1164}
!
loop1164          {goto} {here1164}~
```

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loop2164      {down} {recalc loopa164} {recalc loopb164}
!             {if @cellpointer("contents")<>item164#and#@cellpointer("type")<>"b"} {RECALC LOOP
loopa164      {if @cellpointer("&quot;type&quot;)=&quot;b&quot;}{goto}criterion164~/re.{up}{end}{
!             {branch loop2164}
!
loop3164      {let here1164,@cellpointer("&quot;coord&quot;)}~
loopb164      /c~criterion164~{LET item164,CRITERION164}~{IF offset1164&gt;0}{goto}criterion
!             {goto}outputa164~/c.{end} {right}~{end} {down} {down 4}~{end} {down} {down 4}
!             /rndoutputa164~/rncoutputa164~/dqo {bs} . {end} {right}~q {branch queri164}
!
key1164       ~
!
here1164      $C:$CS$14
!
offset1164    0
offset2164    4
end164       /rndTable to total?~
!
item164      222
!
total164     87600
!
rel164       1.00.00
!
loc164       coord

```

) and press [RETURN]{GET key1164} {ESC 6} {paneloff} {WINDOWSOFF}
WINDOWSON}Table to total?~{key1164} {?}~{WINDOWSOFF} {PANELOFF}/DQITable to total?~Q{PANELON
ESC 6} {key1164} {?}~
~{GOTO}Table to total?~
QO.{END} {RIGHT}~Q{UP 2} {branch crit164}

on164~~{PANELON} {WINDOWSON} {GOTO}Table to total?~{branch subtot3164}

[ESC] to quit

total?))~{recalc subtot1164} {RECALC AGAIN1164} {branch subtot1164}

alc again1164}

164~/ccriterion164~/right 0~/recriterion164~/goto}{here1164}~

[ESC] to quit

nter("col")-@cell("col",Table to total?))~{recalc queri164} {branch queri164}

'3164} {branch loop3164}

right}~/rndcriterion164~{goto}outputa164~/rndoutputa164~{end}{down}{down 4}GRAND TOTAL = ~{F

164~/ccriterion164~{right 0}~/recriterion164~{goto}{here1164}~

RIGHT 4}+TOTAL164~/RV~~{branch end164}