STEM AND LEAF PLOT

PURPOSE
Generates a stem and leaf plot.

DESCRIPTION
A stem and leaf plot is a graphical data analysis technique for summarizing the distributional information of a variable. It is similar to a histogram, but it preserves the original numeric values in the data. As such, it is an effective alternative to the histogram for small to moderate size data sets. It is not recommended for large data sets.

SYNTAX
STEM AND LEAF PLOT <x>   <SUBSET/EXCEPT/FOR qualification>

where <x> is the variable of raw data values;
and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES
STEM AND LEAF PLOT TEMP

NOTE
Although the stem and leaf plot is a graphics command, the plot is generated as alphanumeric output, not as graphics output. This means that if device 2 is on, the stem and leaf plot is not generated in the plot file DPPL1F.DAT. The CAPTURE command can be used to direct the stem and leaf output to a text file.

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS
FREQUENCY PLOT	=	Generates a frequency plot.
HISTOGRAM	=	Generates a histogram.
PIE CHART	=	Generates a pie chart.
PERCENT POINT PLOT	=	Generates a percent point plot.
PROBABILITY PLOT	=	Generates a probability plot.
PPCC PLOT	=	Generates probability plot correlation coefficient plot.
CAPTURE	=	Redirect alphanumeric output to a file.

APPLICATIONS
Exploratory Data Analysis

IMPLEMENTATION DATE
Pre-1987

PROGRAM
         SKIP 25
         READ GEAR.DAT DIAMETER
         STEM AND LEAF PLOT DIAMETER

         The following output is generated:

```
97 :
98 : 01244
98 : 788
99 : 00111123344444
99 : 555556666666666666666677777788888888888889999
00 : 000000000122222222224444
00 : 56666699
01 : 03
01 : 8
```