STA301 GDB NO.1

Question:

Use the data set to create Stem and Leaf display. Also calculate Model value from the display.

37, 33, 33, 32, 29, 28, 28, 23, 22, 22, 22, 21, 21, 21, 20, 20, 19, 19, 18, 18, 18, 18, 16, 15, 14,
14, 14, 12, 12, 9, 6

Solution:

STEM & LEAF DISPLAY

STEM (LEADING DIGIT)	***LEAF (TRAILING DIGIT)***
0	9, 6
1	9,9,8,8,8,8,6,5,4,4,4,2,2
2	9,8,8,3,2,2,2,1,1,1,0,0
3	7,3,3,2

In order to calculate the Model value arrange the numbers in order, we get….

{ 6,9,12,12,14,14,14,15,16,18,18,18,18,19,19,20,20,21,21,21,22,22,22,23,28,28, 29,32,33,33,37 }

We know that the number appears the most often, that number is the Mode or Model value of the given data. Here the number 18 appears 4 times so **18** is the Model value of the above given data.
