pate 18/01/2024	Expt. No
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ExPERIMEN	<u>1</u> - <u>1</u>
Aim: Apply R to calculate a tendency (Asithmetic Mean,	nd visualize measures of central Median, Mode) for a given debase
Introduction: Measures of ce mean, median, and mode, po central or typical values with	nteal tendency, including the arithmets, revide essential insights into the in a dataset. In this practical, and visualize these measures for any and applying these measures are all analysis and data exploration.
	of this pratical are:-
Materials: Restudio of R	environment installed.
Step !:- load the Dotaset load the dataset or reddent you want to analyze	ate a vector containing the
Step 2:- Calculate Measures Use & functions to co	of Central Tendency, of meter the arithmetic mean,
	Teacher's Signature:

Aim: - Apply R to calculate and visualize measures of contral tendency (Arithmetic Mean, Median, Mode) for a given dataset. Dutput !-

```
calculate mode function x table x table x maxitable x 
    ay sector = c(10, 20, 30, 40, 50, 80, 70, 80, 80, 100, 100)
       mean_value = mean(my_vector)
cati Mean; ", mean_value, "\n")
  # Find the sector
median_value = median_ny_vector
cat("Median", median_value, );
# find the self-
mode_values | calculate_mode(sy_vec) | real "mode", mode_values, "in";
```

Consider Tension Designate Anno A Consider Ann \* Outland a vector

\*\*\*Minister of CED, 20, 30, 40, 50, 66, 70, 80, 80, 10, 1001

\* Find the mode

\*\*\*County of Minister of Mi

39.09090909091 100 out [1:12] to 20 30 40 50 60 70 80 90 100 ...

Quina time () as time to () they a time. Quanta to () Compared to () Will d down

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the Data and Measures sons to better understand the detaset central tendency measures.
central tendency measures or transformatte eteristics of the defaset, for instance, e standard deviation for a more anding of variability.
metson(x) {  numeric (names (table x [table x == max (table x)
my vector)
an (my vector)  ian velue "\n")  te mode (my vector)  volue: "\n")
the incights gained from calculating & vicualization. Emphasize the importance of these measures is tribution and typical values within a data of provides a hands on expansion in applying six, enhancing your skills in explasing &