```
In [28]: #Experiment no.2
 In [ ]: #Aim: To perform operations on Central tendency of measures
 In [2]:
         #Name:Janvi R.Kale
         #Roll no.:29
         #sec:A
         #sub:ET 1
         #date:4-08-2025
 In [2]: | age=[20,21,22,20,21,21,20,20,22,21,22,21,22,20,20,20,21,22,20]
 In [3]: print(age)
         [20, 21, 22, 20, 21, 21, 20, 20, 22, 21, 22, 21, 22, 20, 20, 20, 21, 22, 2
         0]
 In [4]: age
 Out[4]: [20, 21, 22, 20, 21, 21, 20, 20, 22, 21, 22, 21, 22, 20, 20, 20, 21, 22, 2
         0]
 In [5]: import statistics as stats
 In [6]: | a=stats.mean(age)
 In [7]: a
 Out[7]: 20.842105263157894
 In [8]: b=stats.median(age)
 In [9]: b
Out[9]: 21
In [10]: | c=stats.mode(age)
In [11]:
Out[11]: 20
In [12]: import numpy as np
         x=np.array([2,5,4,6,2,5,2,5,4,6,2,5,2,5,4,6,2,5,4,7,8,9,1])
In [13]: x
Out[13]: array([2, 5, 4, 6, 2, 5, 2, 5, 4, 6, 2, 5, 2, 5, 4, 6, 2, 5, 4, 7, 8, 9,
                1])
```

In	[14]:	<pre>print(np.mean(x))</pre>
		4.391304347826087
In	[15]:	<pre>print(np.median(x))</pre>
		5.0
In	[16]:	<pre>from scipy import stats</pre>
In	[17]:	<pre>print(stats.mode(x))</pre>
		<pre>ModeResult(mode=array([2]), count=array([6]))</pre>
In	[18]:	<pre>print(np.std(x)) #measures of dispersion</pre>
		2.0586853220437766
In	[19]:	<pre>print(np.var(x))</pre>
		4.238185255198488
		◆ Conclusion: In this practical, we studied central tendency to understand the central value of datasets. Calculating mean, median, and mode helped summarize data effectively and
		provided a foundation for further statistical analysis.
In	[]:	