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In [3]: #Name-Siddharth.V.Barhate      Batch-B1      Roll No-05
#Practical Name-Write a Program To Find Mean Median Mode
#Date-24-07-2024
#-----
from collections import Counter
def calculate_mean(data):
    return sum(data)/len(data)
def calculate_median(data):
    data_sorted=sorted(data)
    n=len(data)
    mid=n//2

    if n%20:
        median=(data_sorted[mid-1]+data_sorted[mid])/2
    else:
        median=data_sorted[mid]
    return median

def calculate_mode(data):
    count=Counter(data)
    max_count=max(count.values())
    mode=[k for k,v in count.items()if v==max_count ]
    return mode

data=(1,2,2,3,4,5,5,5,6,7,8,9,9)

mean=calculate_mean(data)
median=calculate_median(data)
mode=calculate_mode(data)

print("mean:",mean)
print("median:",median)
print("mode:",mode)
```

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mean: 5.076923076923077
median: 7.5
mode: [5]
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In []: