Shanmugan Problem 8.4

```
%Solution for Shanmugan 8.4

C1=[3.42, 3.48, 3.48, 3.54, 3.51, 3.48, 3.57, 3.59, 3.63, 3.50, 3.45, 3.51,
3.55, 3.59, 3.50, 3.61];
meanC1_cal=sum(C1)/length(C1) %Calculation of mean
meanC1_Matlab=mean(C1) % verifikation

varC1_cal=1/(length(C1)-1).*sum((C1-meanC1).^2) %Calculation of variance
varC1_Matlab=var(C1)  % verifikation
varC1_bias=1/length(C1).*sum((C1-meanC1).^2) %Calculation of biased variance
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meanC1_cal = 3.5256

meanC1_Matlab = 3.5256

varC1_cal = 0.0036

varC1_Matlab = 0.0036

varC1_bias = 0.0034