Q.6) **# Given data**

> x=c(55,61,94,94,69,77,68,54,85,77,92,92,81,73,69,81,75,84,70,81,81,89,59,72,82,62)

**# Histogram**

> hist(x)



**b) #Sample mean**

> mean=sum(x)/length(x);> mean

[1] 76.03846 # OR

> m=mean(x);> m

[1] 76.03846

**# Sample variance**

> variance=var(x);variance

[1] 138.8385

**C) #Five number summary**

> f=fivenum(x)

> f

[1] 54 69 77 84 94

> cat(c("Minimum=54","Lower Quartile=69","Median=77","Third Quartile=84","Maximum=94"))

Minimum=54 ; Lower Quartile=69; Median=77 ; Third Quartile=84 ; Maximum=94

**d) # Boxplot**

> boxplot(x,ylab="Data")

> text(rep(1.3,5),f,labels=c("Minimum","Lower Quartile","Median","Third Quartile","Maximum"))

