**INPUT :**

#Given data

Nh <- c(724,648,560,344,81)

nh <- c(61,55,49,29,9)

fh <- c(4246,11636,15957,23586,29667)

sh\_sq <- c(22.76,56.6,71.4,192.4,334.7)

#Calculation population total of (t)

t <- sum(Nh/nh\*fh)

#Calculate total number of frames (n)

n <- sum(Nh)

#Calculate the average number of cattle per farm (y)

y <- t/n

#Calculate the Standard Error(SE)

se <- sqrt(sum(sh\_sq\*(Nh/nh^2)\*(Nh-nh)/(Nh^2)))

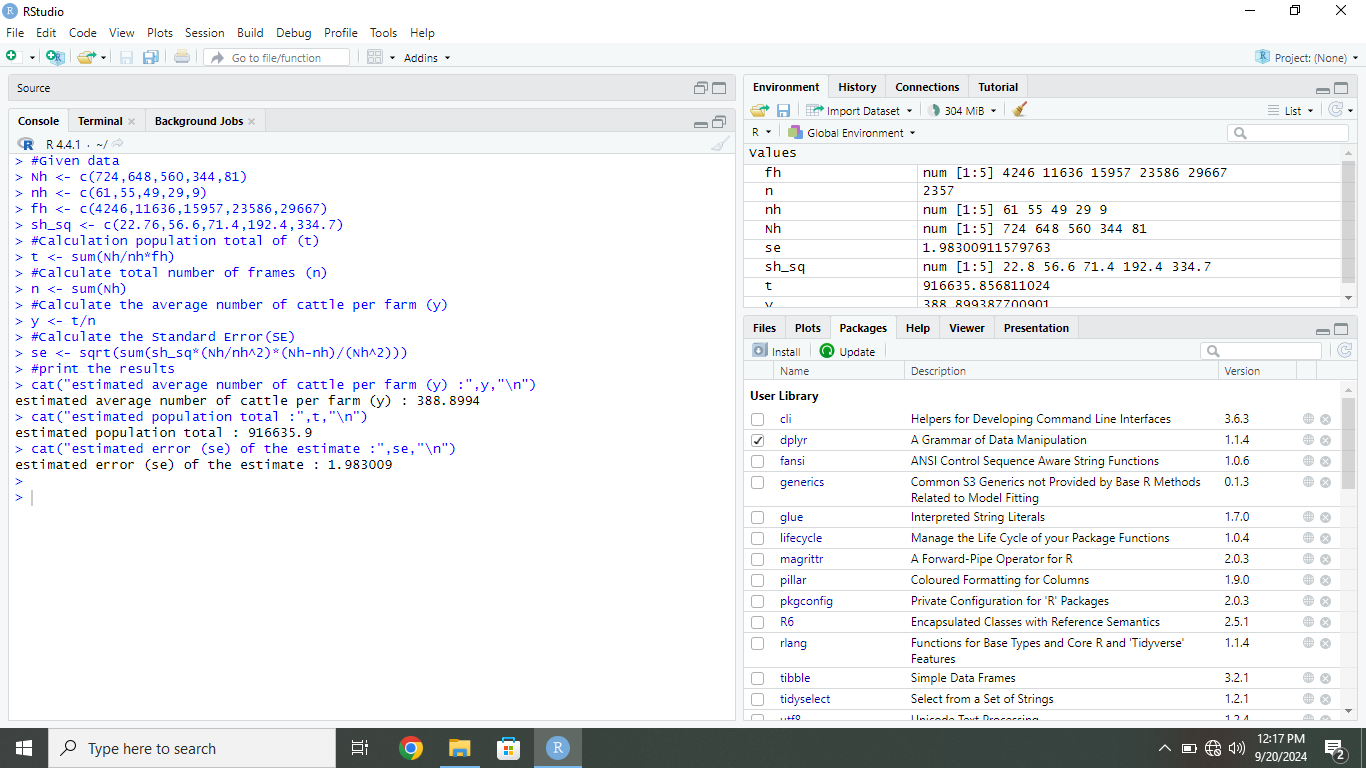
#print the results

cat("estimated average number of cattle per farm (y) :",y,"\n")

cat("estimated population total :",t,"\n")

cat("estimated error (se) of the estimate :",se,"\n")

**OUTPUT :**

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