**INPUT:**

#make this example reproducibe

set.seed(1)

#create data frame

df <- data.frame(grade = rep(c('Freshmen','Sophomore','Junior','Senior'),each=100),gpa=rnorm(400,mean=85,sd=3))

#view first six rows of data frame

head(df)

library(dplyr)

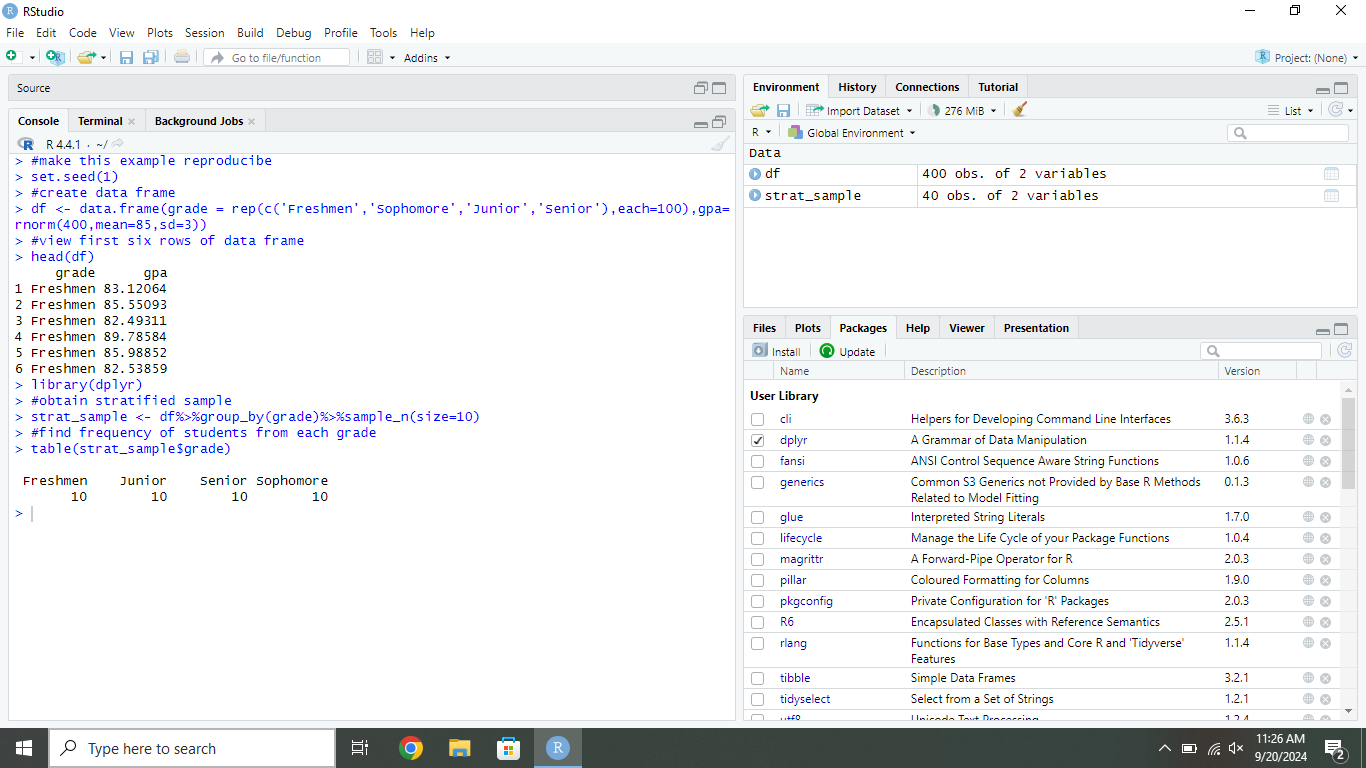
#obtain stratified sample

strat\_sample <- df%>%group\_by(grade)%>%sample\_n(size=10)

#find frequency of students from each grade

table(strat\_sample$grade)

**OUTPUT :**

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