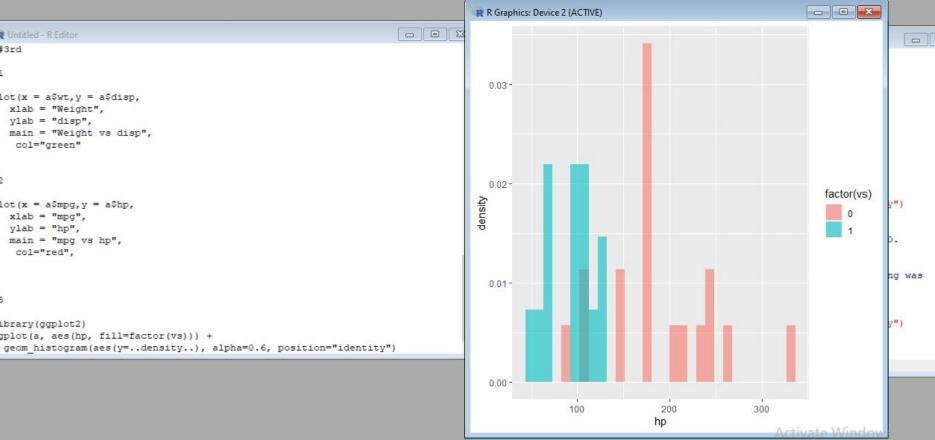


#3	> summary(a)			
	mpg	cyl	disp	hp
vector<-c(1:10)	Min. :10.40	Min. :4.000	Min. : 71.1	Min. : 52.0
vector	lst Qu.:15.43	lst Qu.:4.000	1st Qu.:120.8	1st Qu.: 96.5
new<-list(vector)	Median:19.20	Median :6.000	Median:196.3	Median :123.0
new	Mean :20.09	Mean :6.188	Mean :230.7	Mean :146.7
	3rd Qu.:22.80	3rd Qu.:8.000	3rd Qu.:326.0	3rd Qu.:180.0
sq<-vector	Max. :33.90	Max. :8.000	Max. :472.0	Max. :335.0
for (i in new)	drat	wt	qsec	VS
{	Min. :2.760	Min. :1.513	Min. :14.50	Min. :0.0000
a=i*i	1st Qu.:3.080	1st Qu.:2.581	1st Qu.:16.89	1st Qu.:0.0000
	Median :3.695	Median :3.325	Median:17.71	Median :0.0000
	Mean :3.597	Mean :3.217	Mean :17.85	Mean :0.4375
	3rd Qu.:3.920	3rd Qu.:3.610	3rd Qu.:18.90	3rd Qu.:1.0000
	Max. :4.930	Max. :5.424	Max. :22.90	Max. :1.0000
print(a)}	am	gear	carb	
	Min. :0.0000	Min. :3.000	Min. :1.000	
a<-mtcars	1st Qu.:0.0000	1st Qu.:3.000	1st Qu.:2.000	
a	Median :0.0000	Median:4.000	Median :2.000	
#1	Mean :0.4062	Mean :3.688	Mean :2.812	
dim(a)	3rd Qu.:1.0000	3rd Qu.:4.000	3rd Qu.:4.000	
#2	Max. :1.0000	Max. :5.000	Max. :8.000	
summary(a)	>			v I

```
print(a)}
num = as.integer(readline(prompt = "Enter a number: "))
                                                                                     #fibol
if (num < 0) /
                                                                                     Fibonacci <- numeric(10)
                                                                                     Fibonacci[1] <- Fibonacci[2] <- 1
print ("Enter a positive number")
                                                                                   > for (i in 3:10) Fibonacci[i] <- Fibonacci[i - 2] + Fibonacci[i - 1]
 else
                                                                                    print ("First 10 Fibonacci numbers:")
sum = 0
while(num > 0) {
                                                                                   [1] "First 10 Fibonacci numbers:"
                                                                                     print (Fibonacci)
sum = sum + num
                                                                                    [1] 1 1 2 3 5 8 13 21 34 55
num = num - 1
                                                                                    num = as.integer(readline(prompt = "Enter a number: "))
print(paste("The sum is", sum))
                                                                                  Enter a number: 10
                                                                                   > if (num < 0)
```

```
sq<-vector
for (i in new)
                                                                                    mean (wt)
                                                                                  Error in mean(wt) : object 'wt' not found
a=i*i
                                                                                    mean (aSwt)
                                                                                  [11 3.21725
                                                                                    a$cyl <- factor(a$cyl)
                                                                                    mvlm <- lm(mpg ~ cvl, data = a)
                                                                                    summary(mylm)Scoef
print(a)}
                                                                                                Estimate Std. Error t value
                                                                                                                                  Pr(>|t|)
                                                                                   (Intercept) 26.663636 0.9718008 27.437347 2.688358e-22
a<-mtcars
                                                                                               -6.920779 1.5583482 -4.441099 1.194696e-04
                                                                                  cv16
                                                                                              -11.563636 1.2986235 -8.904534 8.568209e-10
                                                                                   cv18
dim(a)
                                                                                  > a$cyl <- factor(a$cyl)
                                                                                  > mvlm <- lm(mpg ~ cvl, data = a)
                                                                                    summary (mylm) $coef
summary(a)
                                                                                                Estimate Std. Error t value
                                                                                                                                  Pr (>|t|)
mean (a$wt)
                                                                                   (Intercept) 26.663636 0.9718008 27.437347 2.688358e-22
                                                                                                C 000000 1 FF00100 4 441000 1 104606- 04
```



Q Untitled - R Editor

plot(x = a\$wt, y = a\$disp,xlab = "Weight", ylab = "disp",

plot(x = a\$mpq, y = a\$hp,

col="green"

xlab = "mpg", ylab = "hp", main = "mpg vs hp", col="red",

library(ggplot2)

main = "Weight vs disp",

ggplot(a, aes(hp, fill=factor(vs))) +

##3rd #1

#2

#5

