> name<-c("Bob","Bill","Betty")

> C

[,1] [,2] [,3]

a 1 2 3

b 10 20 30

c 100 200 300

d 1000 2000 3000

> colMeans(grades.df[,2:3])

Test1 Test2

89.00000 72.33333

> rowMeans(C.df)

[1] 277.75 555.50 833.25

> B<-rbind(a,b,c,d)

> B

[,1] [,2] [,3]

a 1 2 3

b 10 20 30

c 100 200 300

d 1000 2000 3000

> C.df%\*%B

Error in C.df %\*% B : requires numeric

/complex matrix/vector arguments

> as.matrix(C.df)%\*%B

[,1] [,2] [,3]

[1,] 1010101 2020202 3030303

[2,] 2020202 4040404 6060606

[3,] 3030303 6060606 9090909

> mean(C)

[1] 555.5

> mean(as.data.frame(C))

[1] NA

Warning message:

In mean.default(as.data.frame(C)) :

argument is not numeric or logical: returning NA

> Name<-name

> Name

[1] "Bob" "Bill" "Betty"

> Test1<-c(80,95,92)

> Test2<-c(40,87,90)

> grades<-cbind(Name,Test1,Test2)

> grades

Name Test1 Test2

[1,] "Bob" "80" "40"

[2,] "Bill" "95" "87"

[3,] "Betty" "92" "90"

> grades.df<-data.frame(Name,Test1,Test2)

> grades.df

Name Test1 Test2

1 Bob 80 40

2 Bill 95 87

3 Betty 92 90

> mean(grades.df)

[1] NA

> mean(grades.df[,1:2])

[1] NA

> grades.df[,2:3]

Test1 Test2

1 80 40

2 95 87

3 92 90

> a<-c(1,2,3)

> b<-c(10,20,30)

> c<-c(100,200,300)

> d<-c(1000,2000,3000)

> C.df<-data.frame(a,b,c,d)