**BI-Lab: 4-10-19**

> planet\_name<-c("mercury","venus","earth","mars","jupiter","saturn")

> diameter<-c(389,425,327,827,352,251)

> rotation<-c(58,240,10,130,41,72)

> planet\_dataframe<-data.frame(planet\_name,diameter,rotation)

> planet\_dataframe

planet\_name diameter rotation

1 mercury 389 58

2 venus 425 240

3 earth 327 10

4 mars 827 130

5 jupiter 352 41

6 saturn 251 72

> planet\_dataframe$diameter[1]

[1] 389

> planet\_dataframe[4,]

planet\_name diameter rotation

4 mars 827 130

> planet\_dataframe[1:3,"rotation"]

[1] 58 240 10

> position<-order(planet\_dataframe$diameter)

> planet\_dataframe[position,]

planet\_name diameter rotation

6 saturn 251 72

3 earth 327 10

5 jupiter 352 41

1 mercury 389 58

2 venus 425 240

4 mars 827 130

>

>

> a<-c(100,10,1000)

> a

[1] 100 10 1000

> order(a)

[1] 2 1 3

>

> a[order(a)]

[1] 10 100 100

> subset(planet\_dataframe,subset=diameter>400)

planet\_name diameter rotation

2 venus 425 240

4 mars 827 130