**v1.3**

x=11

print(x)

[1] 11

x

[1] 11

Y=7

Y

[1] 7

Y=9

[1] 9

R overwrites easily

ls() **Tells what’s all in the workspace memory**

[1] “x” “y”

rm(y) **remove y**

**assign characters to objects by quoting them**

xx=”marin”

**quoted objects will be treated as characters**

sqrt(y) squareroot

[1] 3

abs(-14). absolute command

[1] 14

**#the code below this is…**

**hash helps R to ignore**

**v1.4**

**create a vector by c concatenate command**

x1=c(1, 3, 5, 7, 9)

x1

[1] 1 3 5 7 9

gender=c(“male”, “female”)

gender

[1] “male” “female”

2:7 **colon gives a sequence of integer values**

[1] 2 3 4 5 6 7

seq(from=1, to=7, by=1) **by means increments by how many**

**rep repeats**

rep(1, times=10)

[1] 1 1 1 1 1 1 1 1 1 1 1

rep(“marin”, times=5)

[1] “marin” “marin” “marin”

rep(1:3, times=5)

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

rep(seq(from=2, to=5, by=0.25), times=5)

[1] 2.00 2.25

[15] 2.25

[29]

**#vectors with same length are allowed to calculate directly**

y

[1] 1 3 5 7 9

y[3]

[1] 5

y[-3]

[1] 1 3 7 9

y[1:3]

[1] 1 3 5

> y[c(1,5)]

[1] 1 9

> y[-c(1,5)]

[1] 3 5 7

y[y<6]

[1] 1 3 5

matrix(c(1:9),nrow=3,byrow=TRUE) **nrow=matrix with 3 rows and 3 columns, byrow to enter the matrix rowwise, byrow=false=matrix columnwise**

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

[1,] 1 2 3

[2,] 4 5 6

[3,] 7 8 9

> matrix(c(1:9),nrow=5,byrow=TRUE)

[,1] [,2]

[1,] 1 2

[2,] 3 4

[3,] 5 6

[4,] 7 8

[5,] 9 1