

```

f<-function(base,v){d<-length(base);
  y<-matrix(nrow=d,ncol=1);
  for(i in 1:d){if(base[i]<=v){y[i]<-1}else{y[i]<-0}};
  salida<-sum(y)/d}
#
x<-rnorm(10,0,1)
xx<-matrix(nrow=10,ncol=1);
for(i in 1:10){xx[i]<-f(x,x[i])}
#####
#####
#ejercicios:
for(i in 1:5) print(1:i)
#
for(n in c(2,5,8,10)) {
  x <- runif(n)
  cat(n,":", x,"\n")
}
#
for(n in c(2,5,10,20,50)) {
  x <- runif(n)
  cat(n,":", sum(x^2),"\n")
}
#
#####
x<-runif(10);
if(x[1]>0.5){a<-10}else{a<-20};
#
if(x[9]>0.5 & x[9]<0.7){a<-10}else{a<-20};
#
#####
###for and if#####
x<-runif(10);
y<-matrix(nrow=10,ncol=1);
for(i in 1:10){if(x[i]>0.3){y[i]<-1}else{y[i]<-0}}
z<-matrix(c(x,y),nrow=10,ncol=2)
#####

```