#install.packages("RODBC")  
library(RODBC)  
myconn <-odbcConnect("TestRODBC", uid="system", pwd="sidsxxx")  
empdat <- sqlFetch(myconn, "HR.EMPLOYEES")  
lastnames <- sqlQuery(myconn, "SELECT LAST\_NAME  FROM HR.EMPLOYEES")  
close(myconn)

save(family, file="family.Rda")  
load("family.Rda")

str(mydataframe)  
str(myobject)

#open file for writing  
sink("myfile.txt")  
#generate output  
summary(my\_giant\_object)  
#write output to file and close  
sink()

hist(empdat$SALARY,main="Comp  Dist",xlab="Salary")  
hist(empdat$DEPARTMENT\_ID,main="Dept  Dist",xlab="Dept")

pairs(USArrests)

#declare name of function and function arguments  
functionname <- function(arg1, arg2, ... ){   
  #statements  
  statements…                                  
  #return object   
  return(object)  
}

# returns sum of squares for vector  
sumofsquares <- function(x){  
  return(sum(x^2))            
}

testvec = c(1,2,3)  
sumofsquares(testvec)

sumareaofsquares <- function(r){  
  return(sum(3.14159\*r\*r))  
}  
tesvec = c(2,4)  
sumareaofsquares(tesvec)

val <- 5  
if(val > 0){  
  print("Got something")  
} else {  
  print("Got nothing")  
}

my\_vec = c(4,5,7,2,9)  
#vectorized version of if / else  
result\_vec <- ifelse(my\_vec%%2==0,"Even","Odd")

count <- 0  
for (val in c(1:10) {  
  if(val %% 2 == 0) count = count+1  
}

i <- 1  
while (i < 10) {  
  print(i)  
  i <- i+2  
}