```r
#####################Dowlonading de data#########################
dataset_url <- "http://s3.amazonaws.com/practice_assignment/diet_data.zip"
download.file(dataset_url, "diet_data.zip")
unzip("diet_data.zip", exdir = "diet_data")

list.files("diet_data")

andy <- read.csv("diet_data/Andy.csv")
head(andy)

length(andy$Day) #Number of rows in column Day

dim(andy) #Dimension of the dataframe
str(andy) #Types of data on dataframe

summary(andy)

andy[1,] #Get the values of the line 1
andy[1, "Weight"] #Value of the line 1 in the Weight column
andy["Weight"] #Column Weight

andy_start <- andy[1, "Weight"]
andy_end <- andy[30, "Weight"]
andy_loss <- andy_start - andy_end

##It returns the contents of a directory in alphabetical order#
files <- list.files("diet_data", full.names = TRUE)
files
#### Creating a dataframe joining andy and david#############
andy_david <-rbind(andy, read.csv(files[2]))
#####Show the day 25 of andy and david######
day_25 <- andy_david[which(andy_david$Day== 25),]
day_25
######joining all the files whit rbind####################
dat <- data.frame() #create an empty dataset
for (i in 1:5){
  dat <- rbind(dat, read.csv(files[i])) #joining the files

}
```