Assignment 4.1

Ramneet Singh

cat(a)

```
8/23/2022
df < - data.frame (PatientID = c(1,2,3,4),
                 AdmDate = c("10/15/2009","11/01/2009 ","10/21/2009","10/28/2009 "),
                 Age = c(25, 34, 28, 52),
                 Diabetes =c("Type1", "Type2", "Type1", "Type1"),
                 Status=c("Poor","Improved","Excellent","Poor")
print(df)
## PatientID
                  AdmDate Age Diabetes
                                        Status
            1 10/15/2009 25 Type1
## 1
                                          Poor
## 2
            2 11/01/2009 34 Type2 Improved
## 3
            3 10/21/2009 28 Type1 Excellent
            4 10/28/2009 52 Type1
## 4
subset1<-data.frame(df$PatientID,df$Age)</pre>
print(subset1)
## df.PatientID df.Age
## 1
             1 25
## 2
              2 34
            3 28
## 3
              4 52
## 4
type1<- subset(df,Diabetes=="Type1")</pre>
print(type1)
## PatientID AdmDate Age Diabetes
                                        Status
           1 10/15/2009 25 Type1
## 1
                                          Poor
            3 10/21/2009 28 Type1 Excellent
## 3
            4 10/28/2009 52 Type1
sum(df["Status"]=="Poor")
## [1] 2
summary(df)
## PatientID
                    AdmDate
                                        Age
                                                    Diabetes
## Min. :1.00
                  Length:4
                                   Min. :25.00 Length:4
## 1st Qu.:1.75 Class :character 1st Qu.:27.25 Class :character
## Median :2.50 Mode :character Median :31.00 Mode :character
## Mean :2.50
                                   Mean :34.75
                        3rd Qu.:38.50
Max. :52.00
## 3rd Qu.:3.25
## Max. :4.00
      Status
## Length:4
## Class :character
## Mode :character
##
##
##
age<-df$Age
mean(age)
## [1] 34.75
my_matrix<-matrix(data = 1:10, nrow=5 , ncol=2, byrow=TRUE)</pre>
s <- c("First", "Second", "Third")</pre>
a = c(12, 14, 16, 20)
MyList<- "My First List"</pre>
criteria<-list(a,my_matrix,s)</pre>
names(criteria)<-c("Age", "Matrix", "Score")</pre>
cat(MyList)
## My First List
print(criteria)
## $Age
## [1] 12 14 16 20
## $Matrix
## [,1] [,2]
## [1,] 1 2
## [2,] 3 4
## [3,] 5 6
## [4,] 7 8
## [5,] 9 10
## $Score
## [1] "First" "Second" "Third"
```

12 14 16 20