Module–7.R

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data("sleep")  
head(sleep,6)

## extra group ID  
## 1 0.7 1 1  
## 2 -1.6 1 2  
## 3 -0.2 1 3  
## 4 -1.2 1 4  
## 5 -0.1 1 5  
## 6 3.4 1 6

list(sleep,6)

## [[1]]  
## extra group ID  
## 1 0.7 1 1  
## 2 -1.6 1 2  
## 3 -0.2 1 3  
## 4 -1.2 1 4  
## 5 -0.1 1 5  
## 6 3.4 1 6  
## 7 3.7 1 7  
## 8 0.8 1 8  
## 9 0.0 1 9  
## 10 2.0 1 10  
## 11 1.9 2 1  
## 12 0.8 2 2  
## 13 1.1 2 3  
## 14 0.1 2 4  
## 15 -0.1 2 5  
## 16 4.4 2 6  
## 17 5.5 2 7  
## 18 1.6 2 8  
## 19 4.6 2 9  
## 20 3.4 2 10  
##   
## [[2]]  
## [1] 6

sleep\_class<-"my\_sleep"  
class(sleep)<-sleep\_class  
summary(sleep)

## Length Class Mode   
## extra 20 -none- numeric  
## group 20 factor numeric  
## ID 20 factor numeric

summary(sleep$mt)

## Length Class Mode   
## 0 NULL NULL

data(sleep)  
mysleep <- setClass("mysleep", slots=list(data="data.frame"))  
mysleep\_obj <- new("mysleep", data = sleep)  
setMethod("summary", "mysleep", function(object) summary(sleep@data))  
  
setGeneric("mysleep", function(object)   
standardGeneric("mysleep"))

## [1] "mysleep"