You are creating a list with 100, 4 by 4 matrices, with the following command:

```
set.seed(9852)
my.data<-list()
for(i in 1:100){
  my.data[[i]]<-matrix(rnorm(16),nrow=4)
}
```

Question 1

(1/1 point)
Create a list my.index with 100 4 by 4 matrices with logical entries, that indicates whether the content of my.data is negative.

```
my.index<-list()
for(i in 1:100){
  ....
}
```

Select the option to replace .... to perform the task.

- my.index[i,]<-(my.data[i]<0)
- my.index[,i]<-(my.data[i]<0)
- my.index[[i]]<-(my.data[[i]]<0) ✔
- my.index[i]<-(my.data[i]<0)

Question 2

(1/1 point)

Create a 4 by 4 matrix my.negatives, where each element contains the count for how often the corresponding element in my.index is negative.

Display my.negatives.

```
my.negatives<-matrix(rep(0,16),nrow=4)
for(i in 1:100){
  ....
}
my.negatives
```

Select the option to replace .... to perform the task.

- my.negatives<-my.index[[i]]
- my.negatives<-my.negatives+my.index[[i]] ✔
- my.negatives<-my.index[,i]
- my.negatives<-my.negatives+my.index[i,]

Question 3

(1/1 point)

How many negative values do you have in total?

- 79
- 92
- 792 ✔
- 972

Question 4

(1/1 point)

Use my.index to extract a vector my.negative.values with all the negative content of my.data.

```
my.negative.values<-numeric(0)
for(i in 1:100){
  ....
}
```

Select the option that replace .... to perform the task.

- my.negative.values<-c(my.negative.values,my.data[i][my.index[i]])
- my.negative.values<-c(my.negative.values,my.data[[i]][my.index[i]])
- my.negative.values<-c(my.negative.values,my.data[i][my.index[[i]]])
- my.negative.values<-c(my.negative.values,my.data[[i]][my.index[[i]]]) ✔

Question 5

(1/1 point)

Display a summary of my.negative.values with the summary() function.

What is the 1st quartile of my.negative.values?

- -1.15500 ✔
- -0.66450
- -0.80470

- -0.31700